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DIAMOND DRILLING REPORT ON THE JERSEY PROPERTY NELSON MINING DIVISION SALMO, B.C. NTS 82 F 03 E

ON BEHALF OF SULTAN MINERALS INC.

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E.A. LAWRENCE, P. Eng

DECEMBER 1997

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DIAMOND DRILLING REPORT ON THE JERSEY PROPERTY NELSON MINING DIVISION SALMO, B.C.

SUMMARY:

The Jersey property includes the former Jersey and Emerald lead-zinc mines, and the Emerald, Dodger, Feeney and Invincible tungsten mines operated by Canadian Exploration (a wholly owned subsidiary of Placer Development – now Placer Dome) from 1947 to 1973. The property is located in south-eastern British Columbia approximately 10 kilometers south of the town of Salmo.

In 1993, Sultan Minerals Inc. acquired the property and undertook an exploration program that entailed ground and airborne geophysical surveys, prospecting and rock chip sampling. This work led to the identification of several targets that were believed to have potential for gold mineralization, which were followed up in 1994 and 1995 by surface drilling totalling 1324 meters.

Further work was carried out in 1996, with more soil sampling, geological mapping and research, prospecting, and surface and underground diamond drilling. An analysis of some of the large volume of historical plans and geological data acquired in the fall of 1996 resulted in the recognition of the potential of the area between the old Jersey leadzinc mine and the underlying granite mass (the 'inter-zone'). This inter-zone has potential for lead-zinc in carbonates, (the Lower Jersey Horizon) and gold and tungsten and molybdenum in various distinct associations with intrusives. In addition, re-examination of drill hole logs from previous drilling along the eastern margin of the mine resulted in additional targets for gold exploration in the Bismuth gold zone.

This report covers the work done between 3 February 1997 and 31 October 1997 as follow up to the 1996 program. During this period 1215.5 metres of diamond drilling was carried out to test these new areas of potential. The eight holes that tested a portion of the proposed lower Jersey Horizon confirmed that this stratigraphic horizon is more structurally complex than anticipated, and that while lead-zinc mineralization exists, it is lower grade and narrower than the previous operation in the area tested.

Testing of the gold targets was carried out by drilling eight short holes totaling 228 metres. A new mode of occurrence was identified when sampling of old core returned significant gold in a siliceous cross-dyke setting. However, initial results suggest that continuity is limited in this association. Other holes tested pyrrhotite-pyrite targets. Further work on the various gold associations is needed to improve definition of targets.

Surface work at the south end of the Jersey was carried out in September, 1997. A review of old data, geologic mapping, trenching and the drilling of one hole, verified the concept that further potential exists for mineralization to the south of the old workings.

Drilling in the inter-zone, which was primarily to test the Lower Jersey Horizon, also confirmed that the geology is favorable for tungsten potential. Molybdenum mineralization was intersected in a leucocratic siliceous cross-dyke setting, which warrants further follow-up. No significant gold was found, but two holes revealed a siliceous cross-dyke system that is worthy of further study.

A follow-up geochem survey was carried out on an area of anomalous zinc values in the Wilson Creek area of the Posie group in late October. This work confirmed the previous anomaly, although values weren't as high.

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DIAMOND DRILLING REPORT ON THE JERSEY PROPERTY NELSON MINING DIVISION SALMO, B.C.

1.0 INTRODUCTION

The Jersey Property is located in the West Kootenays of south-eastern British Columbia. It encompasses the former Jersey and Emerald lead-zinc mines and the Emerald, Feeney, Dodger and Invincible tungsten mines operated by Canadian Exploration (a subsidiary of Placer Development) from 1947 to 1973.

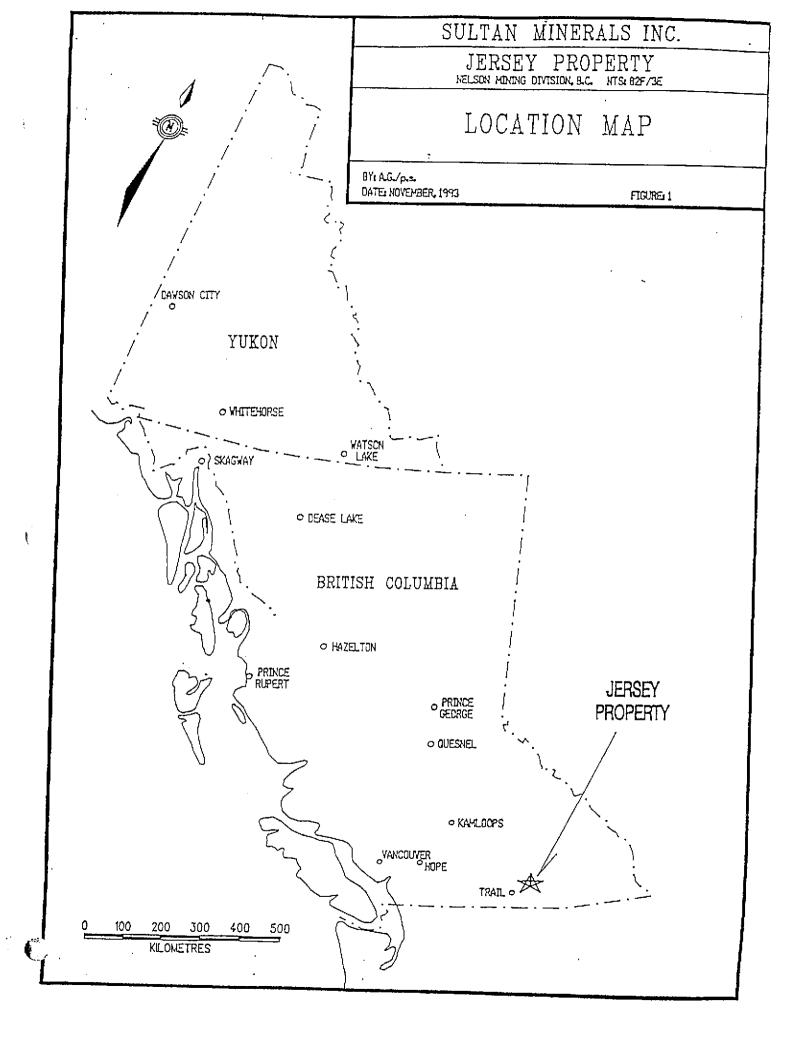
In 1993, Sultan Minerals Inc. acquired the property and undertook an exploration program that entailed ground and airborne geophysical surveys, prospecting and rock chip sampling. This work lead to the identification of several targets that are believed to have potential for important gold mineralization. These were tested in 1994, 1995 and 1996 by diamond drilling. Also in 1996, geochemical sampling, prospecting, geologic mapping and research on geologic data existing from the previous mine operation resulted in additional areas of potential being delineated.

Potential for this property lies in four different types of mineralization. The lead-zinc and tungsten types have been mined in the past. The gold type and the molybdenum type, have been identified, but no production has yet occurred.

The 1997 diamond drilling program was primarily to test for further lead-zinc in the newly conceived 'Lower Jersey Horizon'. However, because these holes penetrated the 'inter-zone' (under the old lead-zinc workings and above the intrusives), they also added significant information on the gold, tungsten, and molybdenum environment in this area. As this was only a preliminary program, a relatively small area was tested.

Testing of additional gold targets in the northern and eastern area of the existing workings was also carried out. In the latter part of September additional work was done to test and to gather more data on the Lower Jersey Horizon at the southern end of the old operation. This consisted of one vertical ddh which followed up on results from a the drilled in 1995. The 1997 hole confirmed the existence of the favorable horizon, but the grade of mineralization was weak.

Trenching was carried out to confirm the location and attitude of the 'black argillite' contact which usually defines the eastern limit of potential in this area. Results from this work confirmed the theory that the strata here are dipping steeper than the surface,



and therefore have not been eroded as deeply as previously thought. This improves the likelihood that zinc mineralization could be found immediately south of the Jersey mine.

Sampling of two areas on surface where easily recoverable zinc reserves are known to exist, was also completed. One area consists of already broken material, and the other is ready for mining. One other area, an old dump dating to the 1920's, should be sampled when weather permits next spring.

An anomalous occurrence of gold in limestone, found on the Blue Jay #6 MC, was examined. No further work is recommended on this showing.

A high zinc geochem anomaly - up to 4500 ppm - located on the Posie group on Lines 51+00N and 52+00N, was followed up with two short fill-in lines. The recent values were lower than the original ones, but still high, in the 1500 to 2000ppm range. More work is warranted to evaluated this area.

1.1 LOCATION AND ACCESS:

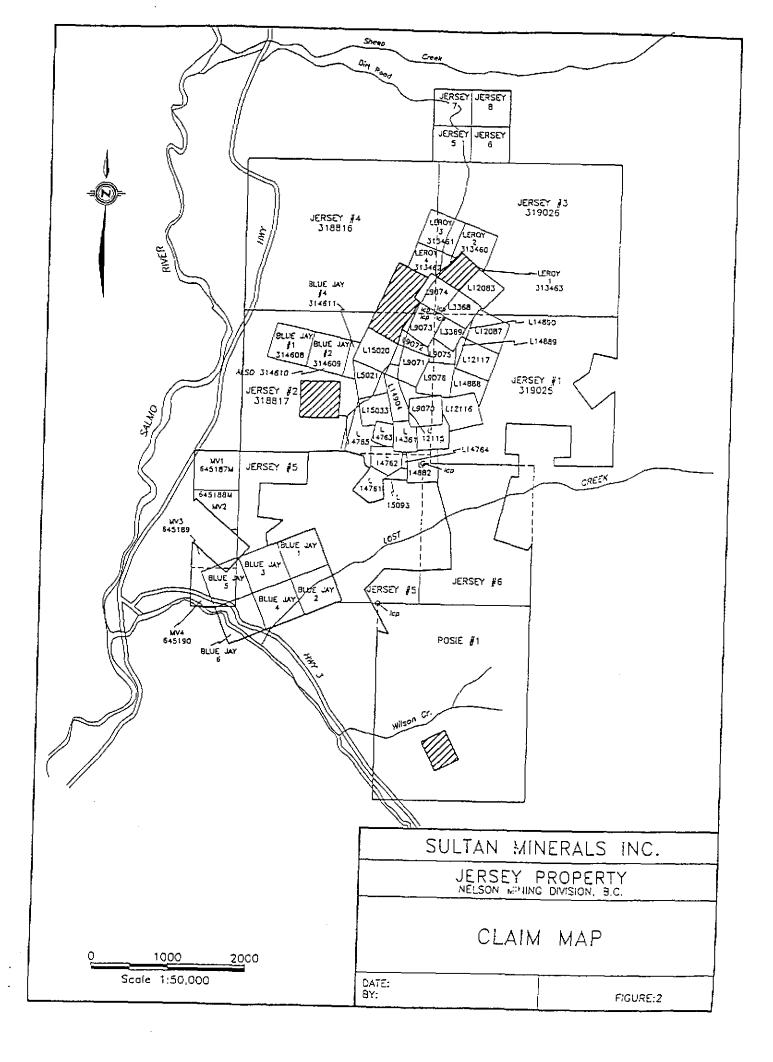
The property is located in south-eastern British Columbia at 49° 06'N, 117° 13'W (NTS 82 F/3E), 10 kilometers south-east of the community of Salmo (Figure 1). The claims cover an area of approximately 4000 hectares between the Salmo River on the west and the top of Nevada Mountain on the east, and are bounded on the north by Sheep Creek and on the south by the south fork of the Salmo River. (Figure 2).

The property is accessible via Highway 6 between Salmo and the Highway 3 turn off to Creston. A network of good quality gravel mine roads provide excellent access to the center of the property from Hwy 6 which is situated along the west edge of the property.

1.2 TOPOGRAPHY, CLIMATE, AND PHYSIOGRAPHY:

The property area is situated in a rugged mountainous physiographic division known as the Selkirk Mountains. In the vicinity of the claim relief is on the order of 4,000 feet between the floor of Salmo River at 2,000 feet and the crest of Nevada Mountain at 6,100 feet. Slopes vary from flat and rolling over the center of the claims to moderately steep along the east and west margins.

Much of the area has been logged or burned previously and vegetation now consists of small diameter stands of larch, balsam, fir, jackpine and mountain alder. In many areas second growth vegetation is extremely dense making movement through the forest difficult. Several areas of extensive outcrop occur over and immediately north of the Jersey mine site but most of the property is covered by a veneer of glacial till. Till cover varies in thickness from 1 to 2 metres on the slopes to more than 20 metres in valley bottoms.



			<u>TABLE I</u>			
		CROWN GR.	ANTED MINERAL CLAIMS			
LAIM NAME	1.0T <u>SU</u>	MBER	CLAIM NAME		LOT NUM	<u>IBER</u>
ALCT LINCLY	הרתז		T.K. =1 FR.		24766	
IASTADON TELLE I	1070 1071		HILLSIDE		14881	
TELLIE J ING ALFRED	3368		BIG DICK		14881	
ING SOLOMON	3369		VICTOR FR.		14688	
ERSEY	9070		REN FR.		14889	
OLD STANDARD	9071		COPPERFIELD HALSON		14890 15020	
TANDARD FR. MERAL	9072 9073		HAL NO. 1 HAL NO. 2		15021	
MERALD FR.	9074		SUNSHINE NO. 2		15033	
IORNING	9075		DEN FR.		15040	
UNSHINE	9076		DEN *1 FR.		15041	
NDGER	12083		ALFE TRACCOUNTER C		15091	
KKWICK	12087		TUNGSTEN KING JUNGSTEN KING #2		15092 15093	
OYAL CANADIAN AST CHANCE	12115 12116		TUNGSTEN KING #1		15094	
AARK TAPLEY	12117		TUNGSTEN KING #3		15095	
ONCHEER	12686		TUNGSTEN KING #4		15096	
UMBO 2	12688		TUNGSTEN KING =5		15097 15098	
OMET	14761		TUNGSTEN KING =7 T.K. =8 FR.		15098	
CONTRACT CALCITE	1476 <u>2</u> 14763		LF9		15696	
TAN FR.	14764		LF 10		15697	
COTT FR.	14765		LF 11		15698	
		LOCATI	ED MUNERAL CLAIMS			
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LUE JAY 1 32233		OCT 24/07				
LUE JAY 2 32233		OCT 24/07				
LUE JAY 3 32230		OCT 24/07 OCT 24/07				
LUE JAY 4 32233 LUE JAY 5 32233		NOV 07 97	LEROY 05	322859	1	NOV 20 07
LUE JAY 6 32233		OCT 24/07	LEROY 06	322860	1	NOV 20 07
ERSEY 1 31901		JUN 23-07	LEROY 07	322461	1	NOV 20.07
ERSEY 2 31681		JUN14/07	LEROY 08	322826 330364	1	NOV 20107 AUG 28:07
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ERSEY 8 34230		NOV 22:07	MV 2	325260	1	APR 23:07
ERSEY 9 34818		JUL 12:07	MV 3 MV 4	325261 325262	1 1	APR 23407 APR 24407
ERSEY 10 34818 ERSEY 11 34818		ዚጊ 17:07 ቢጊ 17:07	MV 4 SUMII	233462	j	SEP 22.07
		JUL 16 67	SUMIT 1	347849	i	JUN 30 07
		AUG 23-07	SUMIT 2	347850	1	Л.N 36 07
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(see Figures 2 and 3)

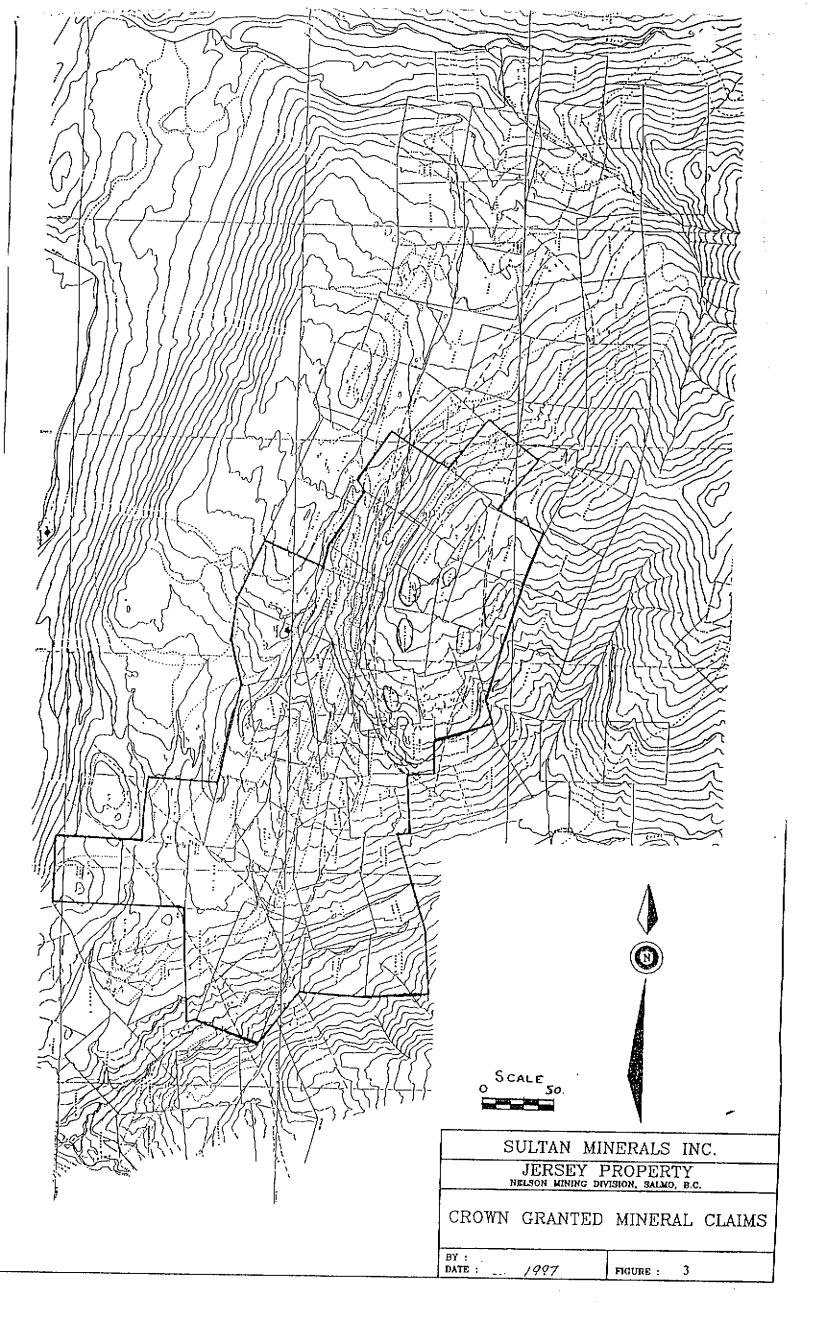
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Salmo enjoys a pleasant summer climate with August temperatures averaging 25° C and moderate precipitation. Winter temperatures average -10° C in January with moderate snowfall. Total annual precipitation is on the order of 750mm of moisture with much of this falling during the rainy season from April to June. The property is in a heavy snow belt and up to four feet or more can be expected at the site during the winter months. Snow free conditions can be expected from early April to late November.

1.3 PROPERTY STATUS:

The property currently consists of a block of 47 crown granted, 60 two-post, and 15 four-post (278 units) mineral claims, comprising approximately 4,000 hectares in the Nelson Mining Division. The claims, tenure numbers, number of units, and anniversary dates are listed in Table I.

6



1.4 HISTORY AND PREVIOUS EXPLORATION:

The earliest record of exploration in the area dates to 1895 when gossanous areas on the south side of Iron Mountain attracted the attention of prospectors. The area was initially explored for gold and the 1896 Ministry of Mines Report states that assays as high as \$70.00 per ton in gold (about 3.5 oz/t) were obtained from the area.

Prospecting continued and in 1906 lead mineralization was discovered on the Emerald claims. Several small, high-grade ore shipments were made and in 1910 Iron Mountain Ltd. was formed by Pacific Coast Steel of San Francisco to develop the property. A 25 ton mill was erected in 1919 and operated until 1926 when low metal prices forced closure. In 1934 the mill was destroyed by a major forest fire.

During the second world war, tungsten and molybdenite mineralization was discovered in skarn beds on the Emerald, Emerald Fraction and Gold Standard claims. In 1942 the Emerald Tungsten Mine was put into production for the war effort by Wartime Metals Corp., a Federal Government Agency. Operations were suspended in 1943 when the war demand for tungsten eased.

The property remained inactive until 1947 when Canadian Exploration Ltd. (a subsidiary of Placer Development) purchased the property from Iron Mountain Ltd. Tungsten production resumed until 1949, when the mill was converted to lead-zinc. In 1951, with the Korean War in progress, the Government of Canada once again initiated tungsten production, this time from a new mill constructed close to the Emerald Mine. In 1952, Canex purchased this mill from the government and from that point on there was no further involvement by the government. This phase of the tungsten operation terminated in 1958, but the Jersev lead-zinc mine continued until 1970. When tungsten prices rose again in the late sixties, it was decided to develop the Invincible deposit. While planning was underway for this project, tungsten was accidentally located east of the Jersey Mine while diamond drilling for lead-zinc. This new tungsten deposit was named the East Dodger and was mined at the same time as the Invincible. Both operations closed in September, 1973 when a combination of low metal prices and B.C. government policy (the 'Super Royalty') made the mine uneconomical. Production for the period from 1906 to 1973 totaled 7, 968, 080 tons of 1.95% lead and 3.83% zinc; and 1, 597, 802 tons of 0.76% WO3. Also contained within the lead-zinc concentrate was about 1, 000, 000 ounces of silver and 5, 000, 000 pounds of cadmium.

In 1979 - 1980, Mentor Exploration Ltd. (a subsidiary of Agnico-Eagle) carried out a diamond drill program to explore the south extension of the Emerald Shaft tungsten zone. This work confirmed that the geology was favorable, but the depth (427m, 1400ft), combined with hole deviation, made it impractical to adequately test the narrow target zone (11 - 13 m in horizontal width).

In 1981, Mentor carried out a five hole diamond drill program totaling 1070 metres, to test for MoS2 along the Emerald stock from 6300N to 7900N, and 6000E and 6800E. No commercial values were found.

In 1990 Placer Dome sold the property to Nu-Dawn Resources Inc. who in 1993 sold it to the present owners, Lloyd Addie and Bob Bourdon, both of Nelson, B.C.

In 1993 the present owners carried out a prospecting and litho-geochemical sampling program which led to the discovery of significant bedrock gold values in the vicinity of the Jersey and Emerald zones.

In 1993, Sultan Minerals Inc. acquired the property and undertook an exploration program that entailed ground and airborne geophysical surveys, prospecting and rock chip sampling. This work led to the identification of several targets that were believed to have potential for gold mineralization, which were followed up in 1994 and 1995 by surface drilling totaling 1324 metres.

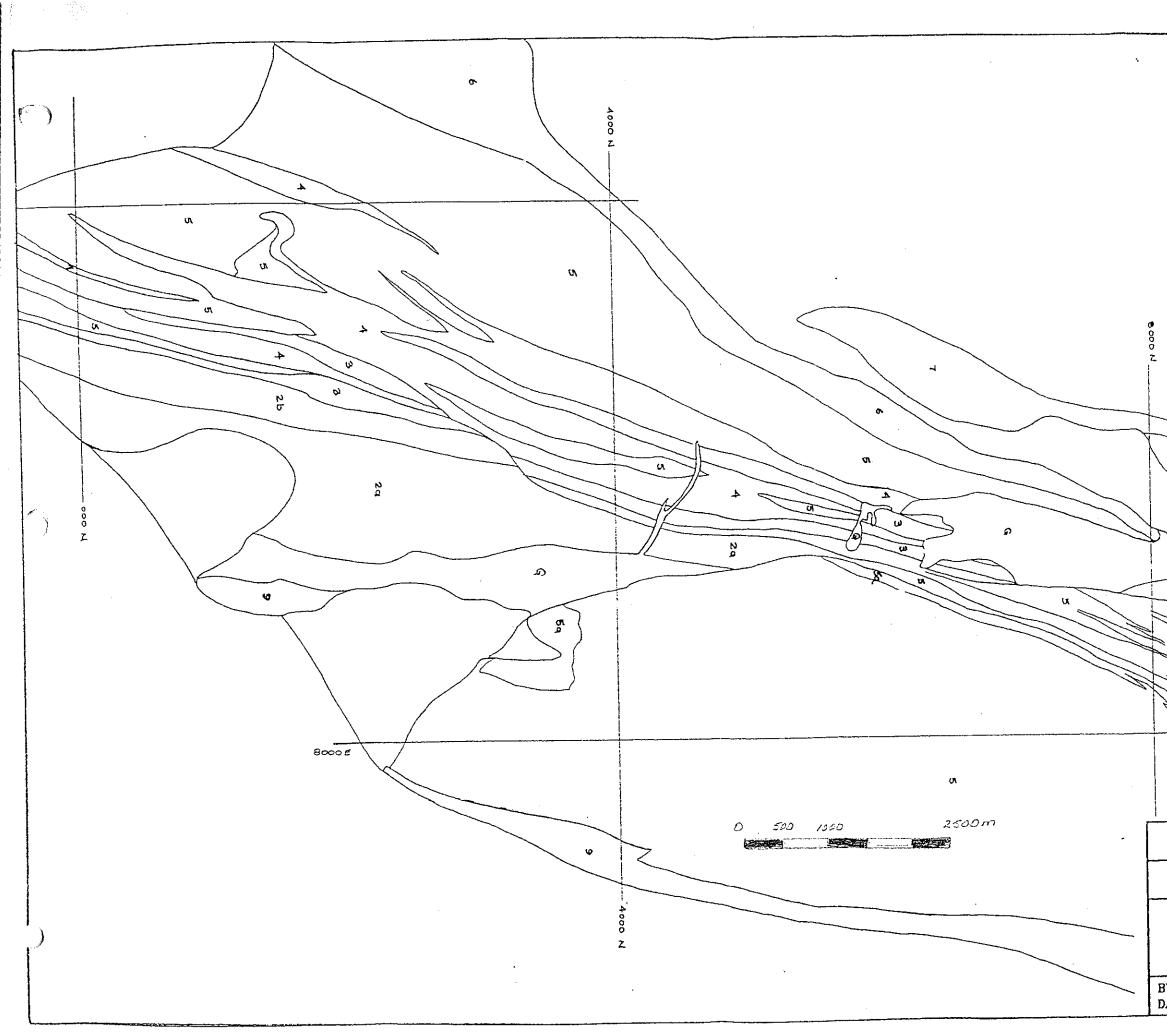
Further work was carried out in 1996, with more soil sampling, geological mapping and research, prospecting, and surface and underground diamond drilling. An analysis of some of the large volume of historical plans and geological data acquired in the fall of 1996 resulted in the recognition of the potential of the area between the old Jersey leadzinc mine and the underlying granite mass (the 'inter-zone'). This inter-zone has potential for lead-zinc in carbonates, (the Lower Jersey Horizon) and gold and tungsten and molybdenum in various distinct associations with intrusives. In addition, re-examination of drill hole logs from previous drilling along the eastern margin of the mine resulted in additional targets for gold exploration in the Bismuth gold zone.

2.0 GENERAL GEOLOGY:

The Jersey property lies near the south end of the Kootenay Arc, a narrow arcuate tectonic belt of Palaeozoic miogeosynclinal and transitional rocks. To the east, these rocks are infolded with clastic and minor volcanic rocks of Late Proterozoic age, while to the west they are in complex structural contact with Upper Palaeozoic and Mesozoic eugeosynclinal argillites and volcanics.

The property is underlain by rocks of the Emerald, Reeves and Truman members of the Laib formation. The Emerald member is a thick sequence of black argillite; the Reeves is mostly limestone, but also has significant dolomite areas; the Truman member is mostly brown foliated argillite (sometimes altered to a diopside-garnet-vesovianite skarn); and occasional beds of brownish white limestone. (See Figure 4)

The above rocks are underlain by, and intruded by granitics of the Nelson batholith. These intrusives within the property have been classified into five units based on work carried out by the author in 1981.







LEGEND

Areas of little or no outcrop Granite

- ACTIVE FORMATION

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- Black argillite LAIB FORMATION
- 7 Upper Laib : green, grey, and brown phyllite

Emerald member : black argillite

Reeves member : limestone

dolomite

- Truman member : brown argillite, skamy, argillite, silice argillite, minor skam, and limestone
- Mainly skarn RENO FORMATION
- Brown micaceous and grey blacky quartsite QUARTSITE RANGE FORMATION 3 Navada Member
- 2b Upper white quartzite

SULTAN MINERALS INC.

JERSEY PROPERTY NELSON KINING DIVISION, SALMO, B.C.

SURFACE GEOLOGY

BY : B.C. DEPT OF MINES DATE : 1957

FIGURE :

- 4

The youngest is lamprophyre, and although a number of distinctions are evident such as grain size and composition, all are classified within the one broad unit for this work.

Four 'granite' units have been identified to date. From youngest to oldest (preliminary postulation), these are: 1) aplite: aplite-porphyny

- 2) alaskite
- 3) medium grained granite
- 4) coarse grained granite.

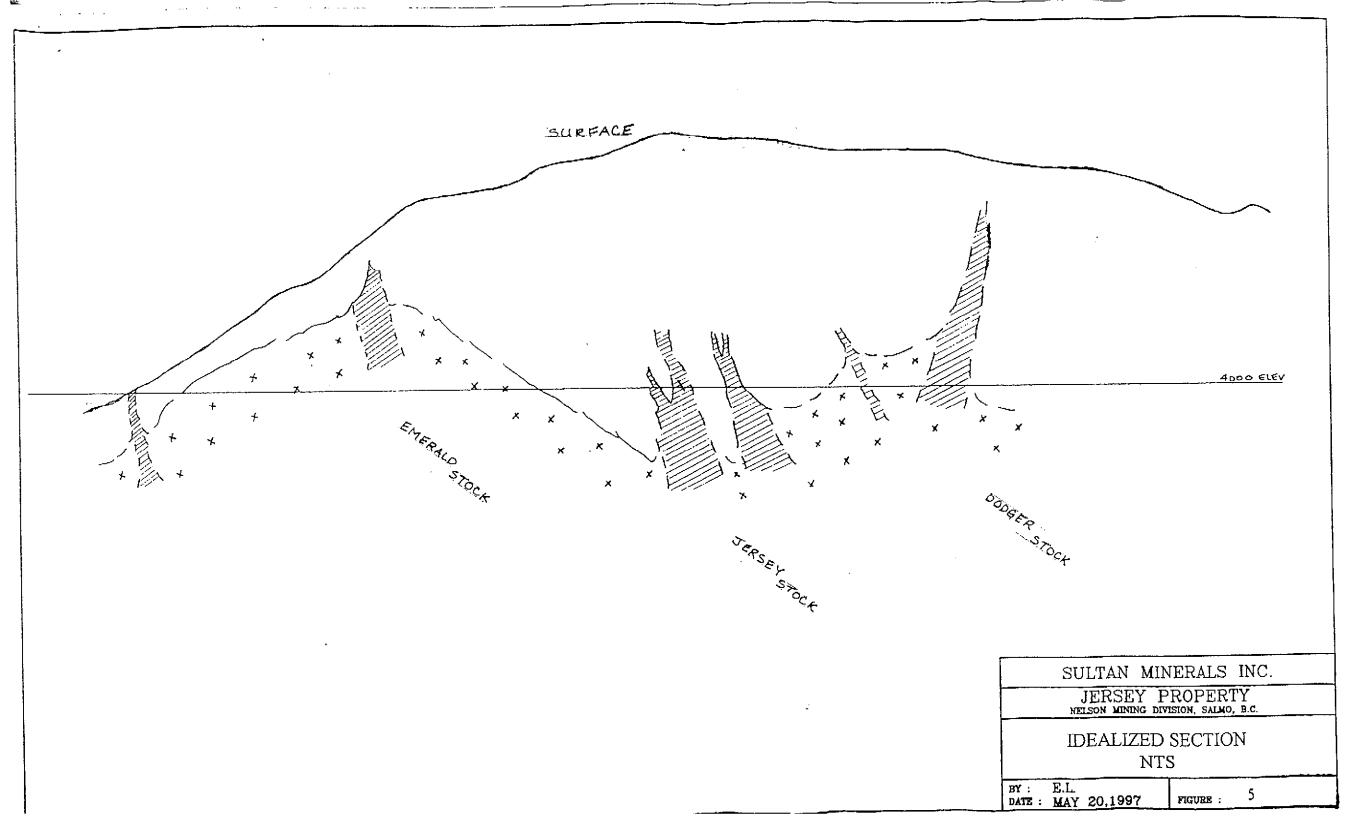
More data collection by mapping contacts on surface and underground is needed to confirm this. Also, "Unit 2" can probably be further divided as more information (microscopic work) is collected.

The main distinction between the coarse grained and medium grained granite is the 3-5mm quartz grains that constitute about 20% of the coarse grained variety. Another visual feature distinguishing them, is that the medium grained unit has less mafics and tends to be lighter coloured.

The coarse grained unit is found mostly on northern surface exposures of both the Emerald and Dodger stocks. It may also exist in the North Invincible underground workings, but this cannot be confirmed due to inaccessibility. No coarse grained granite has been found in the Dodger 4200 access drifts. The medium grained unit is found most extensively along parts of the Dodger 4200 access drifts and the upper part of the Invincible decline.

In a general sense, the form of the granitic intrusives can be described as a northerlytrending mass with a high point located on the north slope of Iron Mountain at about 10 000N (Mine grid). (Fig. 4) From there it slopes steeply toward Sheep Creek, a vertical drop of at least 670m (2200ft) in 2575m horizontal distance. No surface exposures have been found between this point and the HB Mine. No granitic intrusives are found on the HB Mine workings. Drilling results under the HB Mine are not immediately available, but based on verbal communication with the late George Warning, former mine geologist at the HB Mine, granitics were not found close to the mine workings. To the south the slope is flatter, dropping 600m in 3600m horizontal distance. The west and east limits of this mass are formed by vertical protrusions known as the Emerald and Dodger stocks. They are later protrusions on the upper surface, that tend to broaden with depth. For example, the Dodger stock is well exposed in underground workings, yet only outcrops on the north slope toward Sheep Creek, where it has been exposed by erosion.

The recently located Jersey stock is not exposed on surface, but is evident in the Dodger 4200 crosscut and in drill holes. The surface drill hole completed in September may have intersected the southern expression of this stock. Leucocratic fine to medium grained intrusive was located about 60m higher than projected from data located only



55m away. Where previous data indicated an easterly dip, the current hole shows a steep westerly dip, suggesting that a 'ridge' or stock-like structure exists here. This high intersection could be due to a cross-dyke, or it could be a northerly trending stock. If it is the latter, it has implications for potential tungsten mineralization, where limestone beds contact the intrusive. It appears to be a parallel body, possibly of smaller dimension than the Dodger stock, and located about 330m west of the Dodger stock. These three stocks are basically later, smaller, protrusions off the larger, older, and deeper main mass of the Nelson batholith.

Cross-dykes of granitic composition are another intrusive feature. These are usually composed of aplite or aplite-porphyry, and occasionally are very siliceous, with masses of white quartz scattered throughout. They tend to be erratic with respect to orientation, and range in thickness from 1m to 8m. The cross-dykes are believed to be the youngest of the granitic intrusives.

The Emerald and Dodger stocks are known to be related to the tungsten mineralization as shown by past production experience. In addition to tungsten, intrusives are confirmed to be directly associated with known molybdenum mineralization (as disseminations in some intrusives and in others with quartz veins in a stockwork environment). Also, work since 1993 has indicated that gold is probably intrusiverelated. The connection between gold and intrusives has not been definitely established yet, but the gold associations with quartz, bismuthinite, arsenopyrite and pyrrhotite suggest an intrusive relationship.

The third stock -- Jersey stock -- could have similar significance with respect to potential intrusive related mineralization. For tungsten, the projected zone of contact of limestone with the west side of the stock should be investigated. For molybdenum, the projection of known quartz-vein stockworks, and molybdenum bearing dykes are potential areas of interest. For gold, spatial relationships that are similar to the quartz-bismuth, arsenopyrite, and pyrrhotite association on the east and west flanks of the Dodger stock are of interest.

2.1 ECONOMIC GEOLOGY:

Past production was from both lead-zinc, and tungsten deposits. These deposits are separate and distinct from one another. They have totally different associations and environment. Lead-zinc mineralization on the Jersey property is located mostly within the Reeves dolomite member. The HB Mine, 4 km to the north and the Remac mine located 10km to the south are also within the Reeves dolomite member. Tungsten mineralization is found mainly in two distinct environments. One is where favourable limestones contact the late granitic stocks. The other is in favourable zones within the Truman member, not in direct contact with granitics.

13

2.1.1 JERSEY LEAD-ZINC DEPOSIT:

The Jersey Lead-Zinc deposit occurs in dolomite near the base of the Reeves limestone member. Five ore bands, ranging in thickness from 0.3 to 9.0 metres were mined. These bands in order of stratigraphic sequence were: 1) Upper Lead Band

1) Upper Lead Band
 2) Upper Zinc Band
 3) Middle Zinc Band
 4) Lower Zinc Band
 5) Lower Lead Band.

The five ore bands are locally very close together and in the "A" Zone have frequently been mined as a unit up to 24 metres thick in some areas. Ore mineralization consists of fine-grained sphalerite and galena with pyrite and pyrrhotite. Cadmium is associated with sphalerite and silver with galena. Iron content of the sphalerite is low, about 6%.

The overall grade for the 7,968,080 tons milled averaged 1.95% lead and 3.83% zinc. Mining ceased in 1970 with unmined reserves of 106,000 tons grading 0.80% lead and 3.1% zinc.

2.1.2 TUNGSTEN DEPOSITS:

Tungsten occurs in two distinct settings on this property. These are referred to as the Emerald and Dodger types. The Emerald-type occurs where limestone comes into direct contact with the granitic intrusive. The Emerald, Feeney, Invincible and Dodger 4400 are all of this type only. The Dodger-type occurs within a band or series of bands parallel to bedding in the Truman member. These are typically 'skarn' (diopside, vesuvianite, garnet, actinolite), probably the result of metamorphism of a limey argillite. This is not a direct intrusive contact type, but intrusives are usually found within 100 metres. The East Dodger was entirely this type and the Dodger 4200 was mostly this type. Extensive areas of this type are found near the west side of the property near the Emerald, Feeney and Invincible deposits and are referred to as the Lower Skarn Band. Grade is low in the Lower Skarn Band, in the order of 0.2% WO₃.

Scheelite is the source of tungsten in both types. The Emerald-type is metallurgically superior to the Dodger-type in that its concentrate is cleaner. Molybdenum content is higher in the Dodger-type, occasionally high enough to result in a marketing problem. Total production of both types amounted to 1,597,802 tons of 0.76% WO₃.

2.1.3 GOLD OCCURRENCES

Since 1993, considerable sampling has been carried out in old stopes and of old core, that carried high arsenopyrite and/or pyrrhotite, and of quartz occurrences near these sulfides. From this work and subsequent diamond drilling, three types of gold

occurrence had been recognized. These are: i) quartz-bismuthinite

ii) arsenopyrite

iii) massive pyrrhotite with or without arsenopyrite.

The work carried out in 1997 revealed a fourth association:

iv) siliceous granitic cross-dykes.

The fourth type, the siliceous cross-dyke association is known to occur in proximity to two narrow (<6m) cross-dykes. One exposure is located in the north end of the mine, in the vicinity of 8400N, 9000E. The other is in the central area, (5300N, 8100E), intersected by drill holes. Relatively little information is available for this fourth type, since it has only recently been recognized. Further study is warranted to see if additional similar dykes exist and to develop a rationale for future exploration.

3.0 DIAMOND DRILL PROGRAM

From 3 February 1997 to 8 April 1997, sixteen BQ holes totaling 1215 metres, were drilled from stopes or headings which were driven during the pre-1970 mining operations. Because of the relatively large dimensions of the Longyear 38 drill, drill sites were limited to areas where at least 14' 6" (4.42m) headroom was available. It was not possible to adequately check and scale the back (roof) with the equipment available, where heights exceeded 18' (5.49m). Therefore, to ensure safe working conditions, drill sites were limited to openings with a maximum height of about 18 feet. The drilling was carried out by Westgate Drilling of Salmo, B.C., with a Longyear 38 drill modified to meet the underground operating conditions. The flattest hole drilled was at -10° , but -25° is the lowest practical angle that can be drilled with this machine in most cases.

All core from this phase of the program is stored underground at the old Jersey Mine mechanical shop (See Figure 12). Core racks and boxes are fabricated from wood that has been treated to prevent mold formation and premature rotting.

In September, one surface hole (LJ97-09), was drilled near the 4000 track level portal. (Mine coords in feet: 3190N 7330E 4008 Elevation). This is a vertical hole, drilled to a depth of 77.7m (255ft). Core from this hole is stored in Sultan's Salmo office. A summary of drill hole data is shown in the following table:

TABLE II DIAMOND DRILL HOLE INFORMATION

Pb-Zn; WO₃; MoS₂; and Au Testing:

HOLE#	LOC	<u>ATION</u>	.	DIP	AZIMUTH		LENGTH
	<u>(mine</u>	<u>grid)</u>	(Elev.)		<u>m_</u>	feet
LJu97-1	61121	V 7429E	4145	-90		85.95	282
LJu97-2	61101	N 7938E	4157	-90		133.80	439
LJu97-3	49571	N 7532E	4240	-90		169.46	556
LJu97-4	48771	N 7808E	4267	-90		174.64	573
LJu97-5	48801	N 8135E	4283	-90		114.00	374
LJu97-6	4431	N 7775E	4086	-90	~	113.68	373
LJu97-7	54251	18356E	4321	-44	239	69.19	227
LJu97-8	54251	₹8354E	4321	-24	239	126.79	416
LJ 97-9	<u>3190N</u>	17730E	4008	-90	<u></u>	77.7	255
	··· ··	_Total I	Ju			1065.2	3495
<u> </u>					·····		
Au97-1	8157N	J 9015E	4550	-30	090	35.05	115
Au972	8157	9015	4550	-45	090	13.71	45
Au973	8320	9080	4553	-58	085	18.29	60
Au974	8320	9080	4553	-10	085	8.23	27
Au975	8700	9210	4554	-65	092	31.09	102
Au976	8700	9190	4554	-65	270	30.48	100
Au977	8960	9295	4580	-58	315	51.81	170
Au978	8395	9095	4553	-45	150	39.32	129
		Total A	<u>\u</u>			227.98	748
		TOTA	L PRC	GRAM	1	1293.18	4243

All co-ordinates are based on the existing mine grid system which is entirely in foot units. All core was logged at the minesite. Copies of the logs are in Appendix A. The core was usually sampled on the basis of visual evaluation of sulfides for lead-zinc; gold; WO_3 or molybdenum. In the case of gold, it could be any of the four associations noted on page 15. All core was checked with an ultraviolet lamp, and any significant sections that fluoresced were assayed for tungsten. Samples were split with a core splitter at the core logging site, then shipped to Acme Analytical Laboratories Ltd., in Vancouver, B.C. All samples were analyzed for thirty-two elements by ICP Method and fire assayed for gold. Anomalous values for lead, zinc, cadmium, gold, molybdenum, and tungsten were assayed to ensure more precise results. Copies of the assay and/or analysis certificates are in Appendix B.

4.0 DISCUSSION OF DRILLING RESULTS

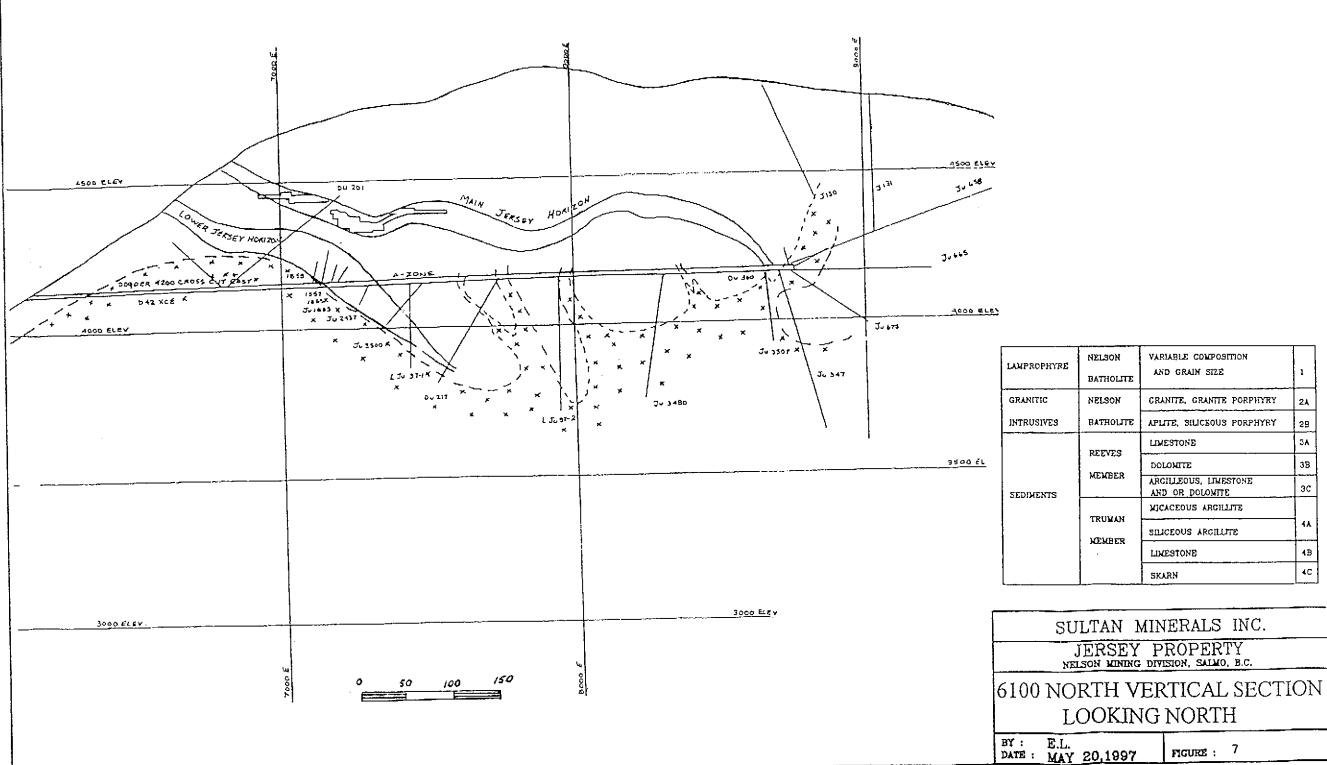
4.1 Lower Jersey Horizon:

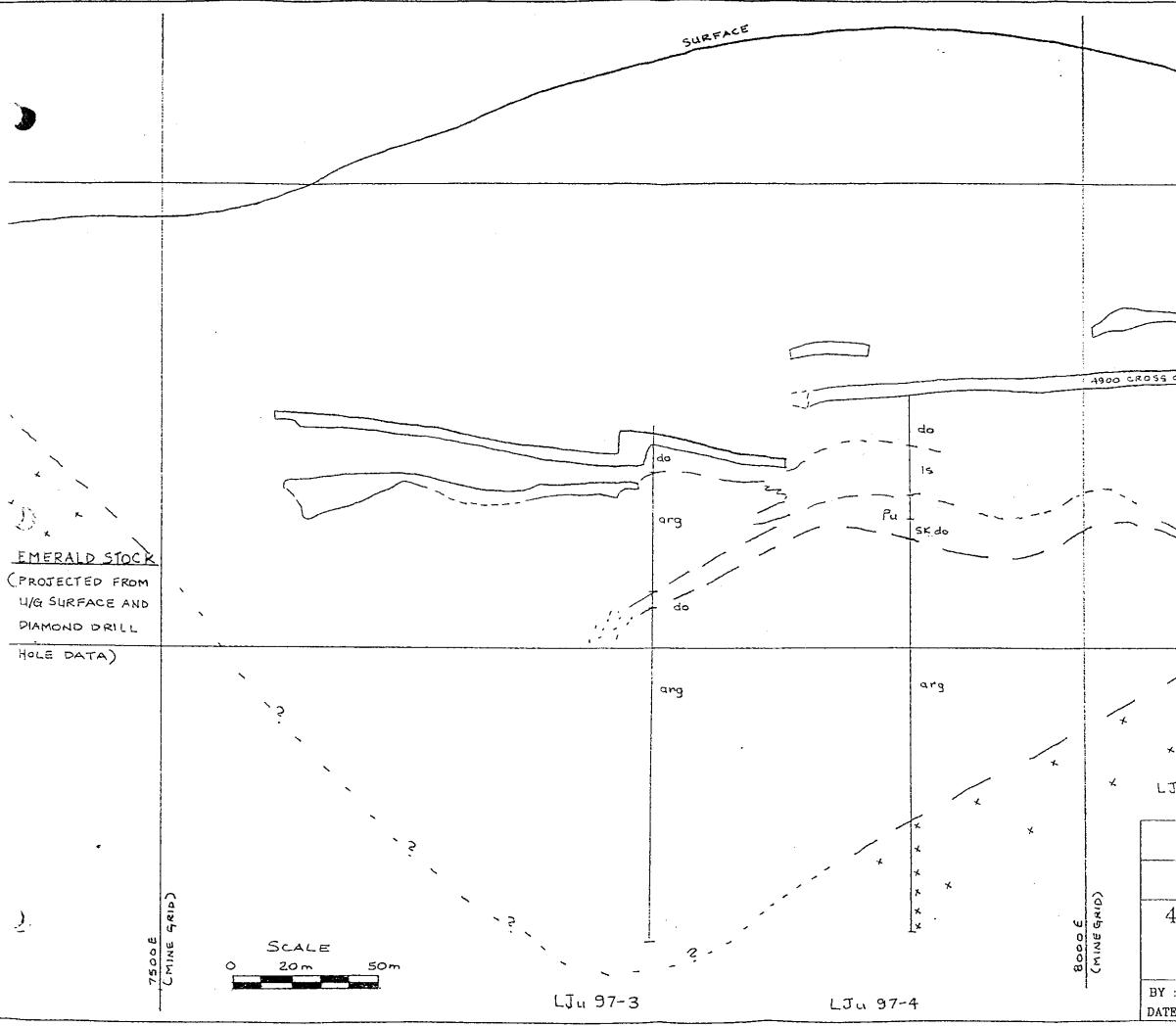
Holes LJu97-1 and LJu97-2 were drilled vertically into the footwall of the Dodger 4200 cross-cut east to fill in information gaps in drilling completed in the 1950's, '60's and '70's. (See Figure 7) This section (6100N) also includes the only stope from the previous operation that was within the Lower Jersey Horizon. It is located on the west side of the mine at about 7200E, and is immediately above the Dodger 4200 cross-cut. LJu97-1 was drilled about 91 metres east of the above stope and was intended to test the downdip extension to the east, adding to the data obtained from earlier nearby holes Ju 2457, Ju 3500 and Du 217. The conclusion to be drawn from LJu97-1 is that the Lower Jersey Horizon in this area thins downdip and to the east. In drill hole Du 217, it is only 1.5 to 2.0 metres thick. LJu97-2 is a vertical hole located approximately 155m east of LJu97-1. It was drilled to determine if the Lower Jersey Horizon would continue beyond Du 217 and possibly increase in thickness to the east; and also to provide more information on the possibility of a third stock, located between and parallel to the Emerald and Dodger stocks.

The results from 97-2 indicate that the Lower Jersey Horizon is cut off by the intrusive, somewhere to the west, between Du 217 and 97-2. With respect to the intrusives, it appears that the third stock (referred to as the Jersey stock) is located west of 97-2. Further drilling is needed to confirm this. No significant MoS_2 was found in this hole. Potential for WO_3 exists to the west, where the downdip projection of the Lower Jersey Horizon contacts the Jersey stock. Low gold values, 40ppb, were found in a possible intrusive cross-dyke type association. While the intersection was not in an economic range, it does confirm that gold occurs in this setting in this area also.

Vertical drill holes LJu-3, -4, and -5 were collared approximately along the 4900N coordinate. The holes are about 90m apart. (See Figure 8). LJu97-3 intersected a 3m width of skarny dolomite at 54.4m to 58.0m which may represent an altered Lower Jersey Horizon bed. Stratigraphically it is at about the right location.

However, no lead-zinc was seen in this intersection. This hole was unusual also, because of the lack of carbonates, and the abundance of silicified argillites. Except for the intersection noted above, it was almost entirely argillites with varying degrees of silicification from 15m to 168.5m, at the end of the hole. In this respect it is similar to Du 217 on the 6100N section and Ju 1154 on 4100N. LJu97-3 was terminated before the intrusives were reached, but based on 97-4, 91m to the east, intrusives shouldn't be too far below the bottom of the hole.





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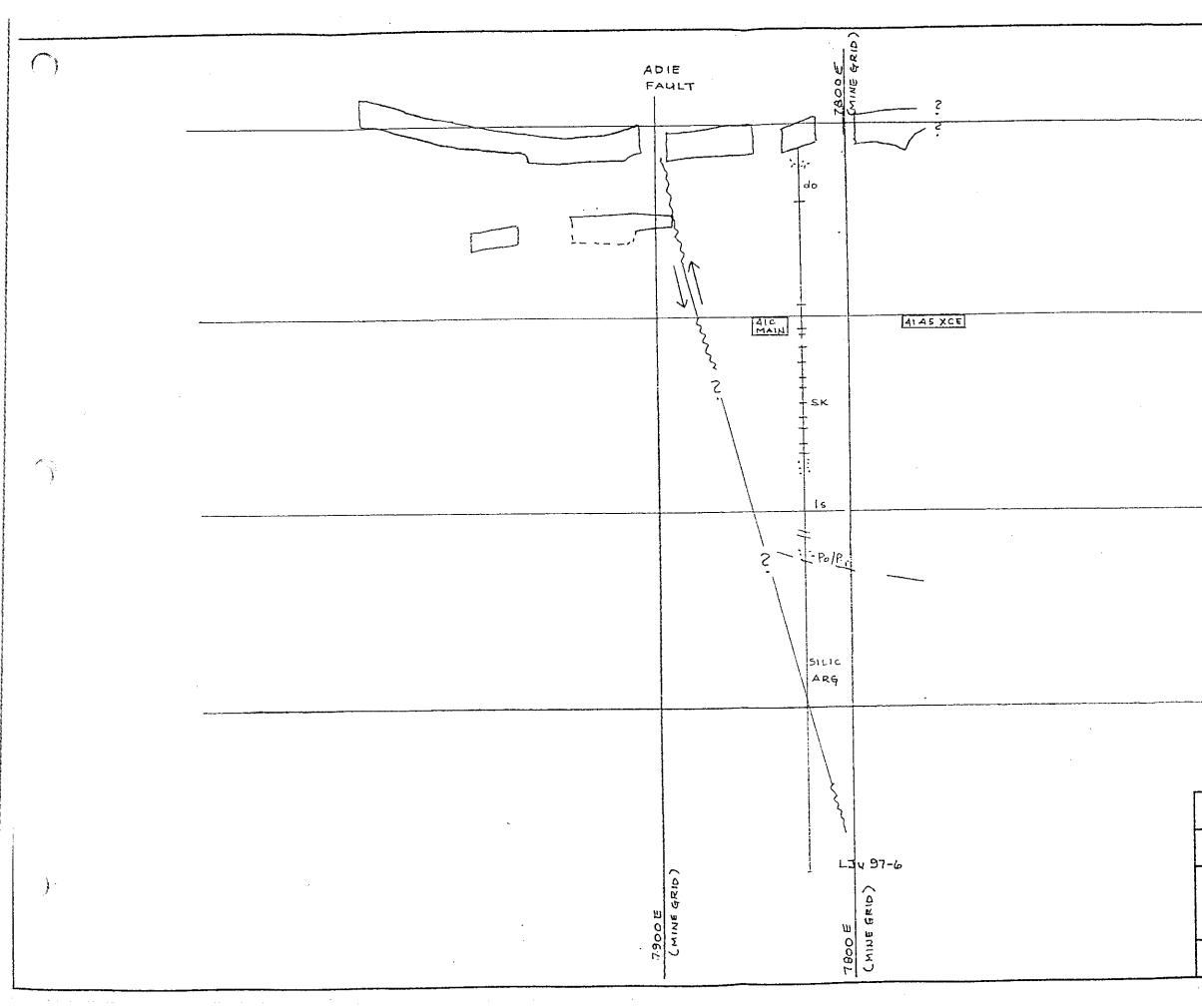
28

From the collar, 97-4 cut 47m of carbonates. The interval from 24.4m to 47m probably represents the Lower Jersey Horizon. The intersection from 31.82m to 36.70m was about 30% sulfides. Within this section, the average grade was 1.1% Pb and 2.0% Zn. The occurrence of the lead-zinc mineralization within an area of high pyrite and pyrrhotite is consistent with other Lower Jersey Horizon lead-zinc occurrences. Minor fluorescence was noted over 3m from 103.5m to 106.5m. This sample was anomalous for tungsten, but low at 0.025%. Due to the closeness of the intrusive here, there is potential for tungsten where the Lower Jersev Horizon contacts the stock, which would appear to be east of 97-5. Intrusives were intersected at 134.6m and continued to the end of the hole at 176.16m. This material appears similar to that cut by 97-2. The elevation (3826 feet) of the stock shown by this hole indicates a slope to the west. LJu97-5 had a stock intersection point elevation of 3987 feet. This is considerably higher than expected, lending more credence to the third stock hypothesis (the Jersey stock). As with 97-3, hole 97-4 revealed a large thickness of silicified argillite.

LJu97-5 is located 99.0m east of 97-4, in the same drift, the 4900 cross-cut east. The upper portion of the hole, to 32.92m, is mainly a coarse-grained blue-grey banded limestone, with scattered bands of white and grey coarse-grained limestone. Immediately below is a skarny limestone with disseminated and massive pyrite and pyrrhotite. A 0.61m section here runs 0.6% lead 1.5% zinc and 6.8gm/mt Ag. This is probably the Lower Jersey Horizon lead-zinc zone at this point. Underlying the above, is a 2.41m thickness of unmineralized dolomite, which in turn is underlain by a 3.99m layer of mainly white coarse grained limestone. Beneath this is mostly siliceous or skarny argillites to the intrusive contact at 88.36m. A narrow, very fine grained white aplitic dyke, with rare specks of MoS₂ was intersected at 62.18m. This appears similar to the cross-dyke cut by 97-7 and 97-8. What may be the southern continuation of the postulated Jersey stock was contacted at 88.36m and continued to the end of the hole at 113.99m. This material is primarily a medium grained leucocratic granite with 5-10% mafics.

Hole 97-6 is located 137m south of 97-4. It was collared on the footwall of 45C stope, which is on the eastern side of the Jersey 'track' mine. This was in an area where previous production grades were higher than average. LJu97-6 intersected the Lower Jersey Horizon between 48.8m and 64.2m. Pyrite-pyrthotite was evident in the interval 48.8m to 51.9m, with minimal zinc; and in the interval 56.11m to 64.19m, again with low grade lead-zinc. The Lower Jersey Horizon here is considerably lower than expected.

This may be due to faulting and/or folding. Altered argillites were intersected from the base of the Lower Jersey Horizon to the end of the hole at 113.7m. The hole was terminated prior to reaching the intrusive. No significant WO3, Au or Mo assays were returned from this hole.



SCALE SCALE O IOM 20M 30M SULTAN MINERALS INC. JERSEY PROPERTY NELSON MINING DIVISION, SALMO, B.C. VERTICAL SECTION THROUGH HOLE LJU 97-6 LOOKING NORTH BY : E.L. DATE : APRIL 1997 FIGURE : 9

4000'951

4100' asl

4200'951

Holes LJu97-7 and -8 were drilled to test earlier intersections in drill hole 94-08. 94-08 intersected two separate lead-zinc bands separated by 6m of waste, within what is believed to be the Lower Jersey Horizon. The upper band is 0.8m of 1.7% lead, 3.1% zinc, the lower band is 1.9m of 2.5% lead and 2.3% zinc, 12.1m deeper in the hole, 0.4m of 16.08gm/mt Au was intersected in a siliceous fine-grained aplitic dyke.

Hole 97-7, drilled at -44° and on azimuth of 239°, intersected fine-grained intrusive where the Lower Jersey Horizon was projected to be. Likewise in 97-8, intrusive was intersected where the Lower Jersey Horizon was anticipated. Thus, with respect to the Lower Jersey Horizon, no conclusive results were obtained.

During the drilling of 97-7, a section of very fine grained white aplite was observed between 55.7m and 60.0m. This material has a glassy appearance and at first was thought to be quartz. On closer examination, it was found to be a very fine grained intrusive. Re-examination of 94-08 revealed that the gold intersection occurred within a similar rock. Thus, the gold occurrence here is associated with a siliceous fine-grained aplitic cross-dyke. Molybdenite and bismuthinite also occurred with the 94-08 gold values. 97-8 also intersected similar very fine-grained aplite. However, although MoS_2 was evident in both of the '97 holes, no bismuthmite was seen, and also no significant gold.

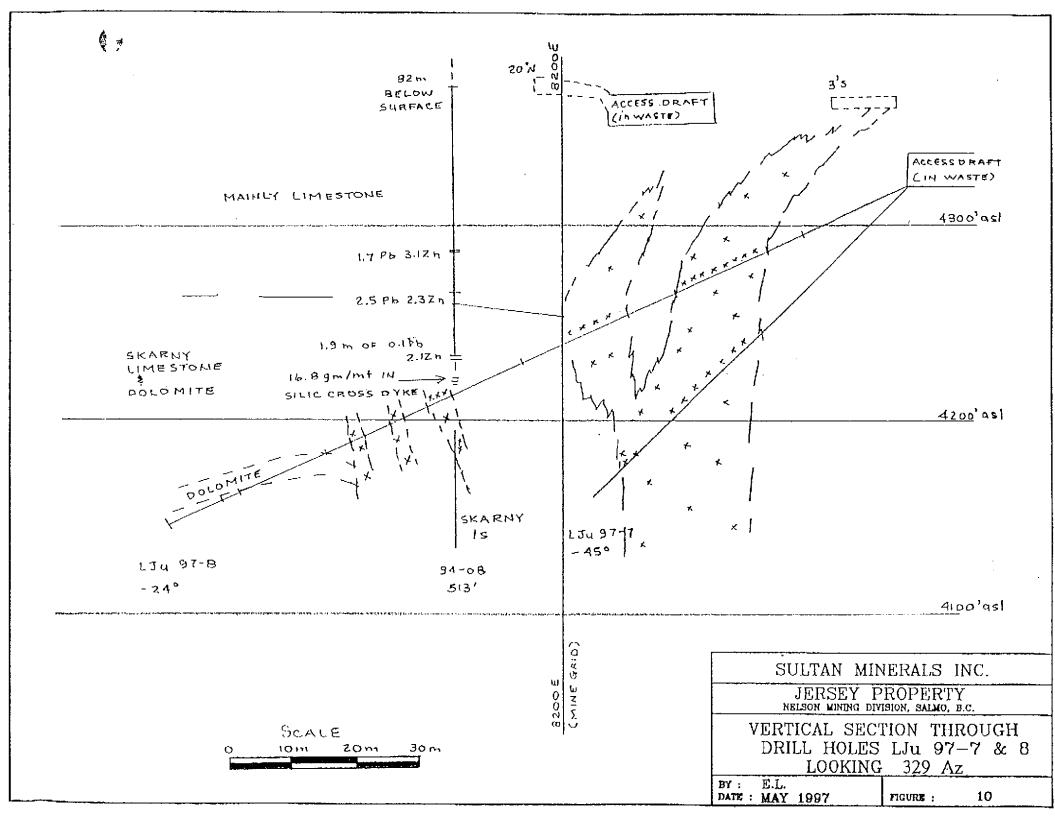
This siliceous cross-dyke occurrence is similar in many respects to the intersections of gold found in drill hole Ju 2788, that assayed 6.86gm/mt, and Au97-8 which assayed up to 4.85gm/mt.

Diamond drill hole LJ97-09 was intended to test the possible eastward extension of the mineralization found by 95J-05, which was drilled in 1995. This hole intersected 2.7m of 3.36% Zn within carbonates that are consistent with the Lower Jersey Horizon stratigraphy. While LJ97-09 did cut the Lower Jersey, and some mineralization was found, it was low grade at 1.5% Zn, with less than 0.1% Pb. Unexpectedly, the zone was found to be about 35m higher than projected, at about 32.3m below the surface. This suggests that we may have a small anticline or 'ridge', similar to those found in the Jersey during previous operations. These ridges did not seem to have any significance with respect to mineralization and therefore this ridge -if that is what exists here- is significant only for the fact that it indicates a flexrue in the strata.

Because significant mineralization has been found to the north in holes Ju270 and 96-08 --3.8 Pb, 8.1 Zn over 1.3m and 4.7 Pb, 2.6 Zn over 5m respectively-- further testing of this area is warranted.

4.2 <u>Molybdenum:</u>

As noted above, the very fine-grained siliceous aplitic dyke intersected by 97-8 carried MoS_2 . The assay across the full 1.68m of the dyke width was 0.43% Mo (0.72% MoS_2)



equivalent). This is a significant, though relatively narrow, intersection. However, the dyke intersected further up the hole, had thickened from 1.5m in 52E stope to 13.7m in a downdip distance of 35m. It is possible that the dyke in 97-8 could also thicken with depth.

4.3 <u>Tungsten:</u>

Exploration for tungsten involves selecting targets by using a model for mineralization based mainly on the Emerald-type occurrence. This requires careful study of the geology in order to project where limestone would contact a granitic intrusive.

The drilling program carried out this year was not intended to test WO_3 "targets". Though not specifically planned to gather WO_3 data, it did provide some new information useful for future exploration.

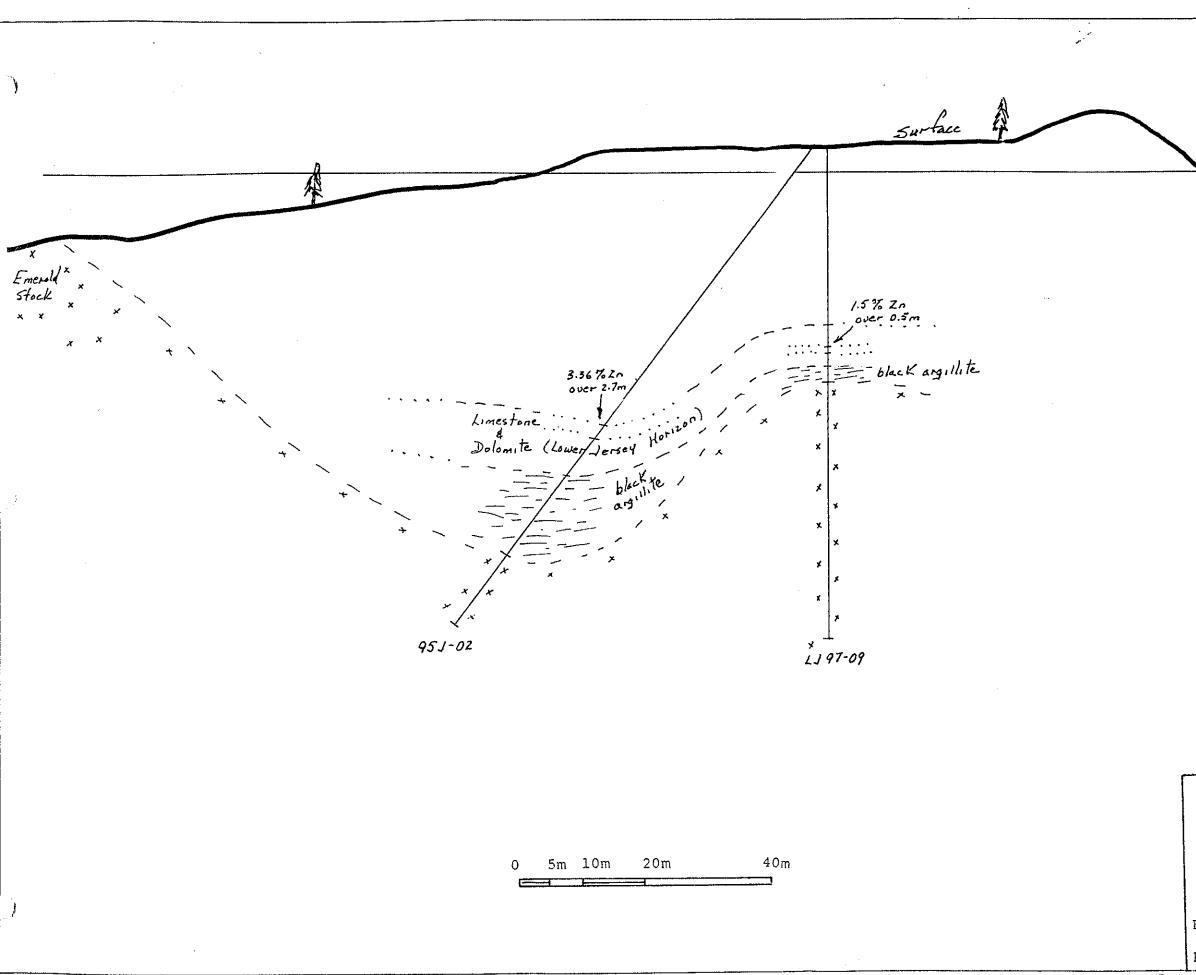
As noted under the discussion of LJu97-4 and -5, conditions east of 97-05 are favourable for tungsten mineralization. Likewise, on 6100N (Figure 7), conditions exist between drill holes Du 217 and LJu 97-2 for potential tungsten mineralization. If the Jersey stock proves to be as continuous as the Emerald or Dodger stocks, then tungsten could occur in a N-S trending zone where the limestone contacts the stock. The west side of the Jersey stock would be the most favourable side, although tungsten was also found on the east side of the Dodger stock. As noted earlier, southerly continuation of the Jersey stock may have been located by surface ddh LJ97-09. If this is the case, there is good potential for tungsten where the carbonates come into contact with the stock. If the proposed interpretation is correct, there should be a northerly trending contact area to the west of LJ97-09. Of significance, there is a good intersection of tungsten in ddh J14, drilled in 1948, --0.87% WO3 over 1.5m. This hole is located about 120m north of LJ97-09. This would represent a previously unknown area of potential trugsten.

4.4 Gold Occurrences:

A total of 228.00 meters of BQ hole was drilled for this aspect of the program. The purpose for all the holes drilled during this program was to test favourable targets identified by examining the logs of holes drilled during the previous mining operation. The logs of all holes north of 5000N and along the eastern side of the mine, were examined to identify holes where any of the following associations were present:

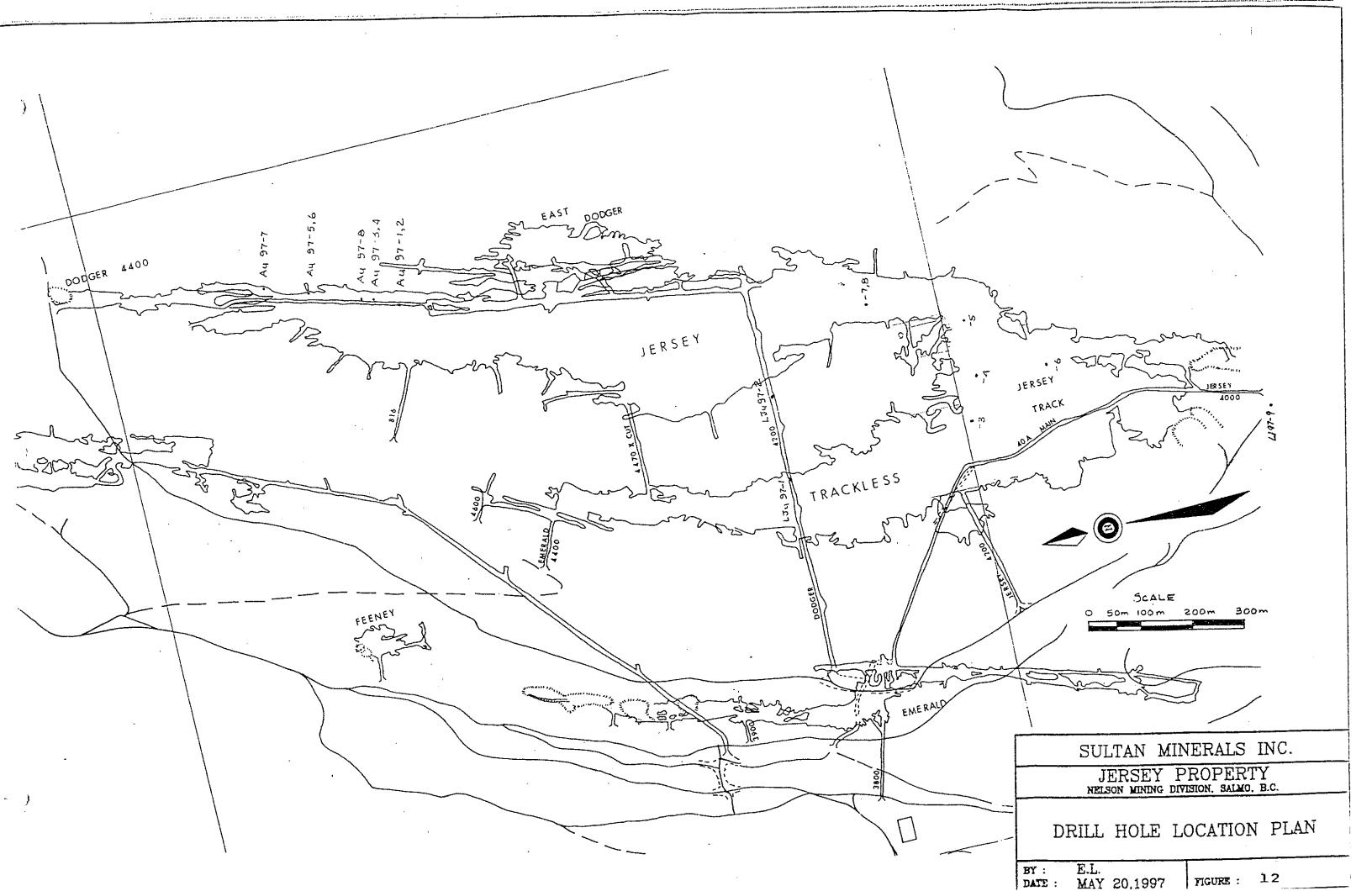
- 1) quartz-bismuth
- 2) arsenopyrite
- 3) pyrrhotite-pyrite.

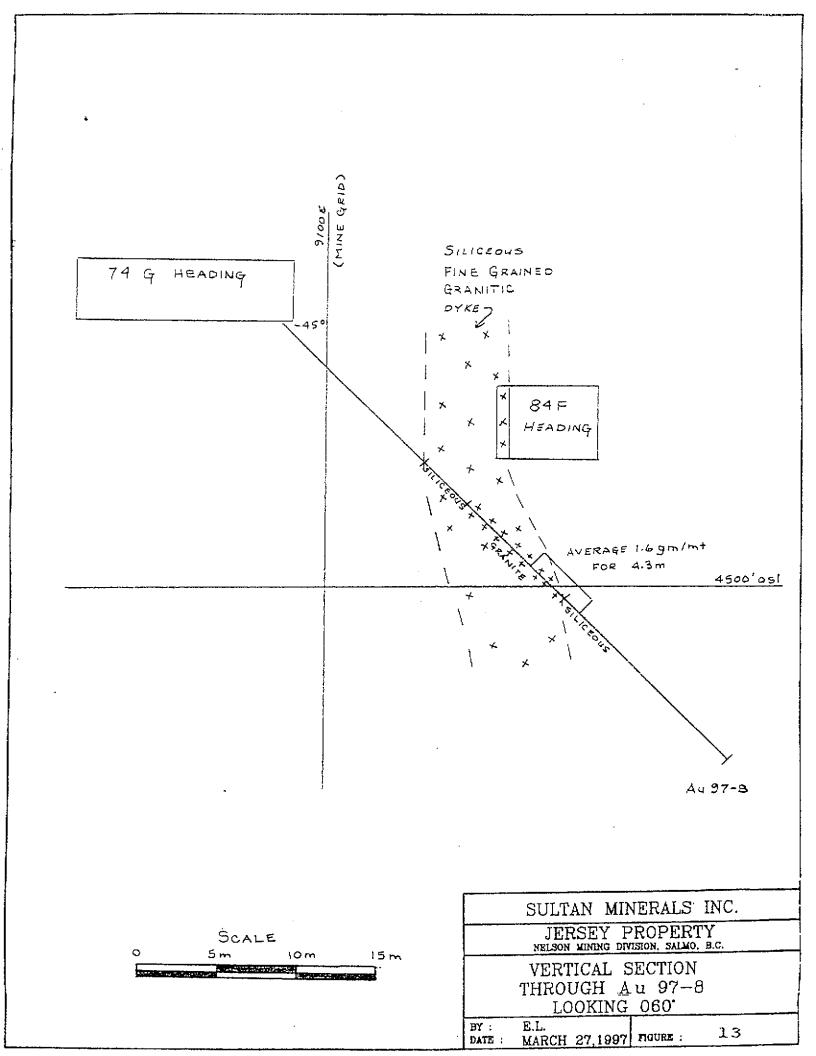
From the list of holes this procedure produced, targets were developed, and if there was accessibility for the drill, drill sites were planned. As noted earlier under the Lower Jersey Horizon discussion, some of the LJu97 holes intersected anomalous gold values.



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4000'ast (Mine Grid, Imperial) SULTAN MINERALS INC. JERSEY PROPERTY Vertical Section 3100N Looking North By: E.A.L. FIGURE 11 Date: 5 Nov 97





Holes Au 97-1 and -2 were drilled to test the area adjacent to Ju 3265, where a 1.37m section assayed 2.74gm/mt Au and 3.40gm/mt Ag. Gold values were low in both holes. Holes Au 97-3 and -4 were intended to test the values found in old hole Ju 2788. Unfortunately both holes broke into old stopes prior to reaching the target area. Holes Au 97-5 and -6 were planned to check a high pyrrhotite-pyrite section of Ju 2813. The best result was from 10.8m to 11.4m in Au 97-5 which ran 0.28gm/mt Au and 4.2gm/mt Ag.

Hole Au 97-7 is the most northerly of the 1997 series of holes testing the gold potential on the east area of the mine. The best gold intersection in this hole was between 44.29m and 45.48m, where a value of 5.03gm/mt was returned. This was a section of massive pyrrhotite with minor pyrite and a trace of chalcopyrite, within a siliceous limestone gangue. Anomolous Bi, at 933ppm, was also found here. The section from 41.00m to 42.67m contained significant sulfides --pyrrhotite, pyrite-- and anomalous, but low values of gold, (0.24gm/mt).

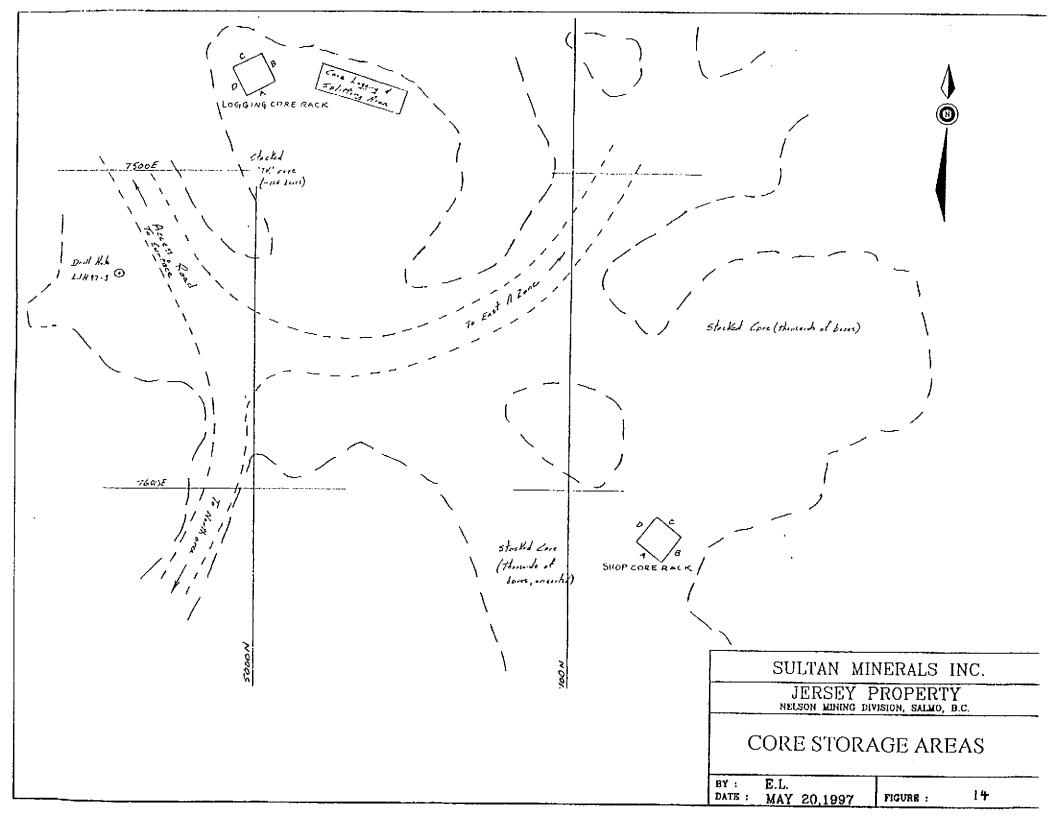
The purpose of Au 97-8 was to test the siliceous cross-dyke association which was indicated by Ju 2788 where assays of 6.85 and 7.85gm/mt were found. Results from Au 97-8 were 2.76gm/mt Au in the 16.6m to 18.9m interval (near the north contact of the cross-dyke), 2.53gm/mt Au in the 22.1m to 23.1m interval (near the central area of the dyke), and 4.85gm/mt Au near the south contact.

5.0 <u>Rehabilitation and Sampling of Core from Pre-'90's Programs:</u>

A large amount of core from Canex's previous operation is stored underground at the equipment repair shop area (5100N, 7600E). This core was moved underground in the fall of 1973. Due to the high humidity, considerable deterioration of the core boxes occurred. Some stacks have collapsed and tipped over, resulting in total loss of that core. Other boxes are so stained or rotted that identification of the core is impossible. Part of this program's purpose was to rehabilitate and sample, if warranted, some of the core for certain crucial areas. Crucial holes were first identified by examining previous logs, searching for associations that have been identified as favourable to gold mineralization. Then an attempt was made to locate the core so it could be examined and sampled. After sampling, the core was reboxed in new boxes constructed of preserved wood, and then stored in core racks constructed of preserved 4x4 lumber.

Table III shows the location and identification of core in the racks.

In order to preserve the enormous amount of data available in the core currently stored underground, further core rehabilitation will be needed to ensure that this resource is not permanently lost. (See Fig. 14)



5.1 **RESULTS FROM PREVIOUS CORE SAMPLING:**

The goal of sampling the previous operation's core was to obtain more information on the distribution of gold within the area of interest. This additional data will help to improve our understanding of the various gold associations already identified. Prioritizing targets will result in more effective evaluation of the gold potential on this property.

The three previously identified gold associations (quartz-bismuth veins; arsenopyrite; and massive pyrrhotite-pyrite) were the key means to locate areas within the previous core for sampling. However, one hole, Ju 2788, returned several assays in the 5gm/t - 8gm/t range, that led to further investigation. It was determined from existing geological mapping of the previous operation, that this hole was adjacent to a siliceous granitic cross-dyke. In this area, the cross-dyke is characterized by areas of quartz scattered throughout the dyke, comprising about 10% of the total dyke. A similar gold association was noted in hole 94-08. With this additional 'association-type', it will now be possible to identify further areas of potential by reviewing the existing underground geological mapping, and to then examine and sample the cross-dykes where feasible.

6.0 TRENCHING PROGRAM

Trenching in the southwest corner of the Jersey #1 four-post mineral claim was done as part of an ongoing review of the geology of the area south of the Jersey mine to Lost Creek. This includes claims at the south end of the Emerald-Jersey property, as well as the TK Group.

One of the key factors needed to develop an interpretation of this region, is an understanding of the attitude and position of the black argillite contact with the overlying favourable sediments. The black argillite is important for two reasons:

- 1. it is an easily recognized marker, very distinct from the overlying carbonates and shales.
- 2. it marks the lower limit of potential for the types of mineralization mined from the 'Iron Mountain' deposits, i.e., zinc, lead, tungsten, silver and cadmium. There are no known deposits of economic importance in the black argillite in this region.

Therefore, if the structure of the black argillite upper contact can be established in an area where exploration is being carried out, it will be a great help in planning a sound program.

With this concept in mind, a review of the existing geological data was initiated in August 1996. It has been worked on intermittently since that time, with heavier emphasis on the TK group area since July 1997.

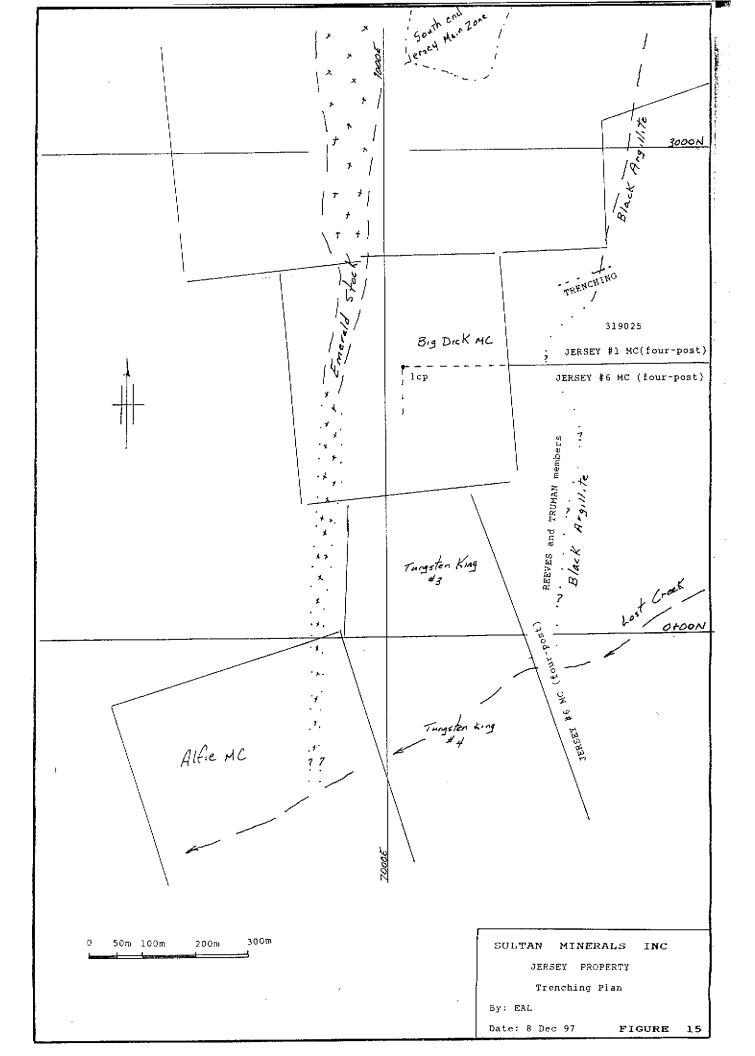
The target area can be divided into two sections, with the northerly trending Emerald stock as the dividing line. The reason for this division is both geological and economic. The past producers of zinc, lead, silver, and cadmium on Iron Mountain are only east of the Emerald stock. Whereas in the area west of the Emerald stock, only tungsten has been produced to date.

6.1 DISCUSSION OF TRENCHING RESULTS

The work carried out this year was in the 'east' section. Initially the area on the east side of the Big Dick MC was traversed to confirm the old data which showed the unusual attitude of the black argillite here. Following that, a series of five trenches, totaling 32 meters, were dug to define the argillite contact, and the attitude of the strata. See Figure 15. This work showed the strata to be dipping southwesterly, with the black argillite overlain by altered limey sediments (some skarn has developed). There is a steep -- 40° to 45° -- southerly component to the dip here. It is this steep dip that opens up the potential for additional mineralization. If the strata continued to dip at the same degree as the Jersey deposit, the ore-bearing horizons would have been eroded by the Lost Creek drainage system. Therefore, based on the data available to date, there is still potential in this area, on the east side of the Emerald stock, for lead-zinc and tungsten mineralization. Further work, initially trenching along existing roads, followed by diamond drilling, is needed to adequately evaluate this ground.

7.0 **GEOCHEMICAL SURVEY (Posie Group)**

Five samples were collected along line 51+50N from 33+00E to 34+00E, and five samples on line 50+50N from 33+00E to 34+00E. The results of this work confirmed earlier anomalies for zinc and silver in this area. (See Figures 16; 17; and 18 for results)



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CONCLUSIONS:

Lower Jersey Horizon -- Lead-Zinc exploration:

- The Lower Jersey horizon has been shown to be a reality. It is not a simple continuous carbonate horizon, but tends to tail out, or have a facies change from west to east, resulting in a carbonate-poor area which is shown by the results of LJu 97-1, -2, and -3. However, the horizon is identifiable again to the cast of LJu 97-3, in LJu 97-4, -5, -6, -7, -8, and 94J-08.
- 2) Load-Zine mineralization in Lou 97-4 and 94J-08, ranged front 1 194Pb 2 0%Zn, to 1.7% Pb, 3.1%Zn, over thickness' ranging from 1.9m to 4.9m.
- 3) A reasonable degree of continuity exists for the sulfide-rich band that hosts the Lead-Zinc, as shown in Figure 8.
- 4) Potential to the south of the existing mine, in an area bounded on the west by the Emerald stock, and on the east by the black argillite, remains encouraging. further work is needed to test the area north of ddh LJ97-09 up to the south end of the 3941A stope located on the west side of the Jersey track mine. Likewise additional work is warranted to gather more data on the area south to Lost Creek.

Gold Exploration:

- 1) Four distinct associations have been identified for gold at this time:
 - i) quartz-bismuthinite
 - ii) arsenopyrite
 - iii) massive pyrrhotite-pyrite
 - iv) siliceous granitic cross-dykes.
- 2) Continuity of each of these types is limited. Type (iv) seems to have the best possibility of having sufficient continuity to be mineable.
- Grade of mineralization is up to 6.86 gm/mt range, considering results from all four types.

Further work on existing core, underground openings, and existing underground mapping, is warranted, to obtain more data on all four associations, with the goal of narrowing the field to more specific targets. Further evaluation of the cross-dyke association is particularly important, in view of the MoS_2 found in LJu 97-8 noted below.

MoS₂ Exploration:

 Significant MoS₂ was found in LJu 97-8 and 94J-08 in a very fine grained siliceous granitic cross-dyke. Notable gold was associated with this dyke in 94J-08. More research of existing data, remapping and sampling of present underground exposures would be very useful in evaluating potential and developing future exploration targets.

Tungsten Exploration:

- 1) The likely contact between carbonates of the Lower Jersey Horizon and the postulated Jersey stock is a target with good possibility of success as more geologic data is obtained on the location and orientation of the Jersey stock. The possible southern continuation of the Jersey stock, as shown by ddh LJ97-09, opens up the possibility of a new zone of potential along the west side of this stock. The unusually located and unexplained high tungsten value found in J14, drilled in 1948, could be due to this stock.
- 2) Potential on the east side of the Emerald stock, bounded on the east by the black argillite, south onto the TK group, is interesting. The work done by Canex in 1952 on the Alfie MC, (Mine coords --0250S, 6600E)-- confirmed the existence of Dodger-type tungsten mineralization in that area. In view of the new concept of the favorable beds not being eroded here, there is a possibility that to the east, these beds are in the proximity of, or are in contact with the Emerald or the Jersey stocks, indicating that further tungsten deposits may exist here.

Further work in the form of geologic research, compilation of available data and the preparation of sections and plans is warranted so that continued exploration for the Au-Ag; Pb-Zn; MoS₂; WO₃ potential of this unique property can efficiently proceed.

Geochem Posie:

The results onbtained from the follow-up geochem sampling done this fall indicate that further sampling in this area is needed. This work would check for the southern continuation of the anomaly discussed earlier in this report. Geologist Linda Dandy, under whose supervision this work was carries out, suggests excavator trenching of areas where zinc values exceed 5000ppm and where silver values exceed 5ppm. If rock sampling results warrant, drilling of targets developed could be carried out.

<u>REFERENCES:</u>

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- Troup, A.G., 1995; Diamond Drilling Report on the Jersey Property, Nelson Mining Division, B.C.; Sultan Minerals Incorporated.

Statement of Qualifications

I, Edward A. Lawrence, P.Eng, of 3590 Wiig Road, Westbank, in the Province of British Columbia, DO HEREBY CERTIFY THAT:

- 1. I am a self-employed, consulting engineer,
- 2. I am a graduate of the University of British Columbia, with a degree of B.A.Sc in Geological Engineering,
- 3. I have practiced my profession since graduation in 1959,
- 4. I am a Registered Professional Engineer in the Province of British Columbia,
- 5. I hold no interest, directly or indirectly in Sultan Minerals Inc.

E. A. Lawrence, B.A.Sc., P.Eng

Dated at Westbank, B.C. this 15th day of December, 1997.

COST STATEMENT

JERSEY MINE PROPERTY

1 February - 30 October 1997

DIAMOND DRILLING

<pre>Salaries & Wages: 7Pers, 2440-Luys @ \$285.48 Benefits: @ 20% Food & Accommodation: 244 mdays @ \$28.75 Supplies & Sundry: Fuel: Field Office Expenses: Field Office Expenses: Fixed Wing: (CAI) 3 Smithers-Castlegar Snow Removal: Fred Critchlow Bulldozing Shipments: Core Boxes: Rental Equipment:</pre>	\$ 69,657,98 13,931.60 7,013.78 4,748.76 817.64 1,507.54 997.12 21,341.15 3,825.00 2,081.30
4wd pickups, 155days © \$33.52 \$ 5,210.35 Trailer, 4hrs © \$25 100.00 Land-Sea Power, Generator 3months \$893.88 2,681.63 Deakin, Core Splitter, 2months © \$171.00 342.00 Purchase 627.00 Diamond Drilling: West-Gate, 17 holes, 1,295m © \$66.09 Assays & Analyses: Acme Labs	8,960.98 85,581.15
355 Core for Au & 32-Element ICP @ \$19.51 \$ 6,924.65 13 Core for T1,Hg & 30-Element ICP @ \$11.56 150.28 2 Pulp for Zn @ \$8.43 16.86 32 Pulp for 15-Element ICP @ \$11.56 369.92 6 Pulp for W @ \$8.43 50.58 2 Pulp for Mo @ \$8.43 16.86 Report Preparation: 16.86	7,529.15 7,291.00 235,267.05
DRILL HOLE PLOTTING	

(Historical Deta)

DATA PURCHASE: Emerald Gold Mines	\$ 16,050.00
DATA ENTRY & PLOTTING: ADW Engineering	14,732.72
DATA ENTRY & SUPERVISION: P&L Geological Service	6,766.95
PROFILE PLOTTING: Lynx Geosystems Inc.	7,650.00
ASSAYS & ANALYSES: Acme Labs	
68 Core for Au & 32-Element 102 @ \$19.51 - \$ 1.326.41	
5 Pulp for 15-Element TCP @ \$11.56 57.79	
3 Pulp for W @ \$9.43 25.29	1,409,49
TOTAL DRILL HOLE PLOTTING COST:	\$ <u>46,609.17</u>

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SALA <mark>RIES &</mark> WAGE		@	\$300,00			\$	600.00
BENEFITS:	20%						120.00
FOOD & ACCOMOD		@	51.50				103.68
TRAVEL:	4WD PU, 2 days	@	43,84				87.68
SUPPLIES & SUNDR							96.50
CONTRACTORS:	Fred Critchlow Contra-	-					791.80
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-	Hg, & 30-Element ICP	@ @	11.03	\$	33.09		
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TOTAL TRENCHING SALARIES & WAGE BENEFITS: FOOD & ACCOMOD TRAVEL: ASSAYS & ANALYSI	G COST: GEOCHEMIC S: 2 pers., 3 mdays, @20% PATION: 2 mdays, 4WD P/U., 3 days	@ 5 @ @	5266.67 51.50	<u>OST</u>	\$ 181.73		\$ 4077.67 800.00 160.00 103.00
TOTAL TRENCHING SALARIES & WAGE BENEFITS: FOOD & ACCOMOD TRAVEL: ASSAYS & ANALYSI	G COST: <u>GEOCHEMIC</u> S: 2 pers., 3 mdays, @20% ATION: 2 mdays, 4WD P/U., 3 days IS: ACME LABS u and 32-Element ICP	@ 5 @ @ @	51.50 40.89	<u>OST</u>			\$ 4077.67 800.00 160.00 103.00
TOTAL TRENCHING SALARIES & WAGE BENEFITS: FOOD & ACCOMOD TRAVEL: ASSAYS & ANALYSI 11 Rock for Au 8 Rock for 15-	G COST: <u>GEOCHEMIC</u> S: 2 pers., 3 mdays, @20% ATION: 2 mdays, 4WD P/U., 3 days IS: ACME LABS u and 32-Element ICP	@ 5 @ @ @	51.50 40.89 16.52	DST	181.73	<u></u>	\$ 4077.67 800.00 160.00 103.00
TOTAL TRENCHING SALARIES & WAGE BENEFITS: FOOD & ACCOMOD TRAVEL: ASSAYS & ANALYSI 11 Rock for Au 8 Rock for 15-	GCOST: <u>GEOCHEMIC</u> S: 2 pers., 3 mdays, @20% ATION: 2 mdays, 4WD P/U., 3 days IS: ACME LABS u and 32-Element ICP Element ICP & 32-Element ICP	@ 5 @ @ @	5266.67 51.50 40.89 16.52 15.65 12.04 11.57	DST	181.73 125.23		\$ 4077.67 800.00 160.00 103.00
TOTAL TRENCHING SALARIES & WAGE BENEFITS: FOOD & ACCOMOD TRAVEL: ASSAYS & ANALYSI 11 Rock for Au 8 Rock for 15- 11 Soil for Au	GCOST: <u>GEOCHEMIC</u> S: 2 pers., 3 mdays, @20% ATION: 2 mdays, 4WD P/U., 3 days IS: ACME LABS u and 32-Element ICP Element ICP & 32-Element ICP	@ 5 @ @ @	5266.67 51.50 40.89 16.52 15.65 12.04	DST	181.73 125.23 132.47 104.00 20.72		\$ 4077.67 800.00 160.00 103.00
TOTAL TRENCHING SALARIES & WAGE BENEFITS: FOOD & ACCOMOD TRAVEL: ASSAYS & ANALYSI 11 Rock for Au 8 Rock for 15- 11 Soil for Au 9 Pulp for Pb, 3	GCOST: <u>GEOCHEMIC</u> S: 2 pers., 3 mdays, @20% ATION: 2 mdays, 4WD P/U., 3 days IS: ACME LABS u and 32-Element ICP Element ICP & 32-Element ICP Zn	@ 5 @ @	5266.67 51.50 40.89 16.52 15.65 12.04 11.57	DST	181.73 125.23 132.47 104.00 20.72 18.79		\$ 4077.67 800.00 160.00 103.00
TOTAL TRENCHING SALARIES & WAGE BENEFITS: FOOD & ACCOMOD TRAVEL: ASSAYS & ANALYSI 11 Rock for Au 8 Rock for 15- 11 Soil for Au 9 Pulp for Pb, 3 2 Pulp for Au	GCOST: GEOCHEMIC S: 2 pers., 3 mdays, @20% ATION: 2 mdays, 4WD P/U., 3 days IS: ACME LABS u and 32-Element ICP Element ICP & 32-Element ICP Zn As	@ 5 @ @ @	5266.67 51.50 40.89 16.52 15.65 12.04 11.57 10.36	DST	181.73 125.23 132.47 104.00 20.72 18.79 10.36		\$ 4077.67 800.00 160.00 103.00
SALARIES & WAGE BENEFITS: FOOD & ACCOMOD TRAVEL: ASSAYS & ANALYSI 11 Rock for Au 8 Rock for 15- 11 Soil for Au 9 Pulp for Pb, 2 2 Pulp for Pb, 2	GCOST: GEOCHEMIC S: 2 pers., 3 mdays, @20% ATION: 2 mdays, 4WD P/U., 3 days IS: ACME LABS u and 32-Element ICP Element ICP & 32-Element ICP Zn As	@ 5 @ @ @	5266.67 51.50 40.89 16.52 15.65 12.04 11.57 10.36	DST	181.73 125.23 132.47 104.00 20.72 18.79		\$ 4077.67 800.00 160.00 103.00 122.68
SALARIES & WAGE BENEFITS: FOOD & ACCOMOD TRAVEL: ASSAYS & ANALYSI 11 Rock for Au 8 Rock for 15- 11 Soil for Au 9 Pulp for Pb, 2 2 Pulp for Pb, 2 1 Pulp for Pb, 2 1 Pulp for Pb, 2	GCOST: GEOCHEMIC S: 2 pers., 3 mdays, @20% ATION: 2 mdays, 4WD P/U., 3 days IS: ACME LABS u and 32-Element ICP Element ICP & 32-Element ICP Zn As Zn, As	@ 5 @ @ @	5266.67 51.50 40.89 16.52 15.65 12.04 11.57 10.36	DST	181.73 125.23 132.47 104.00 20.72 18.79 10.36		\$ <u>4077.67</u> 800.00 160.00 103.00 122.68

TABLE III CORE STORAGE INVENTORY

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Location: Logging Rack (See Fig. 13)

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Side: "A"

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ROW6								
ROW5	1.Ju97/8 50-74 26-50	LJu97/8 96-120.5 74-96	LJu97/8 144-167.1 120.5-144	I.Ju97/8 195.8-217.2 172.8-195.8	LJu97/8 242.2-266 217.2-295.3	LJu97/8 291-315 266.5-291	LJu97/8 239-263.8 315-239	1.Ju97/8 287.3-409.6 263.8-387.3
ROW4	L Ju97/6 368-373 216:7-368 346-7	Au97/I 27.2-50.9 0.0-27.2	Au97/1 75.2-98.8 50.9-75.2	Au97/2 0.0-25.4 Au97/t 98.8-115	Au97/2 25.4-45 Au97/3 0.0-24.7	Au97/3 48.5-59 24.7-48.5	Au97/4 25.6-27 0.0-25.6	Au97/5 32.2-47.8 0.0-23.2
ROWJ	LJu97/3 05-27,4 27.4-51.8	I.Ju97/3 51.8-75.3 75.3-99.5	LJu97/3 99.5-122.9 122.9-147.2	LJu97/3 147.2-170.3 170.3-193.6	1.Ju97/3 193.6-217.4 217.4-241	LJu97/3 241-264.9 LJu97/3 264.9-288.4	LJu97/3 288.4-311.5 311.5-336.4	LJu97/3 336,4-360 360-383.2
ROW2	Du523 273-319 319-356	Ju2789 0.0-32 Ju2788 0.0-33 33-65	Ju2789 67-75 32-67 Ju2790 0.0-33	Ju2790 33-62 Ju2791 0.0-29 29-58	Ju2433 0.0-8 Ju2813 Ju2812 57-80	Ju3258 59-88 Ju2843 0.0-28 Ju2844 0.0-28	Ju2770 LAST 4'? Ju2771 0.0-2 Ju2612/Ju2613 29-32/0.0-24 Ju2583/Ju2584 20-30/0.0-26	Ju3212 78 5-83 3 Ju2774 0.0-29 Ju2984 143-144
ROWI	TK14 291-316 266-291	TK 14 343-368 316-392	TK14 392-417 368-392	TK 14 441-466 417-441	TK14 497-532 466-491	TK 14 532-556 556-581	TK 14 581-607 607-632	TK14 680-707 632-656

Location: Logging Rack

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Side: "B"

ROW6								
ROW5	LJu97/8 409.6-416							
ROW4	Au97/5 78.7-94.2 47.8-78.7	Au97/6 0.0-28 Au97/5 94.2-102	Au97/6 50.9-74.2 28-50.9	Au97/6 98,8-99.7 74.2-98,8	Au97/7 49.2-72.4 26-49.2	Au97/7 95.7-121.3 72.4-95.7	Au97/7 143.8-167 121.3-143.8	Au97/8 0.0-24 Au97/7 167-170
RÓW3	L.Ju97/4 561.5-578 L.Ju97/5 0.0-26	1.Ju97/5 48-72.5 26-48	LJu97/5 95.3-118.9 72.2-96.3	LJu97/5 142-165.3 118.9-142	LJu97/5 189-212,3 165,3-189	LJu97/5 235-258 212.3-235	I.Ju97/5 281-304 258-281	LJu97/5 326-350 304-326
ROW2	I.Ju97/1 25-47 0.0-25	LJu97/1 70.5-95 47-70.5	LJu97/1 118.5-143 95-118.5	LJu97/1 167.5-192 143-167.5	LJu97/1 216.5-242.8 192-216.5	LJu97/1 267.5-282 242.8-267.5	LJu97/2 27-51 0.0-27	LJu97/2 51-74 74-79
ROWI	Ju1110 1132-1163 1107-1132	Jul110 1192-1205 1143-1192	Ju1154 55-79 28-55	Jul154 162-191 79-102?	Ju1154 218-260 191-218	Ju1154 319-341 260-290	Ju1154 393?-422? 343-371	Jul154 457-501 422-457

Location: Logging Rack

Side: "C"

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ROW6								
:OW5			<u> </u>					
ROW4	1.Ju97/6 0.0-28.2 1.Ju97/5	LJu97/6 52-75 28.2-52	LJษ97/6 99-122.4 75-99.	LJu97/6 145.8-169 122.4-145.8	LJu97/6 192.1-214.9 169-192.1	L.Ju97/6 237.7-259.8 214.9-237.7	I.Ju97/6 281.5-303.6 259.8-281.5	LJu97/6 324.9-346.7 303.6-324.9
ROW3	350-374 LJu97/3 383,2-407 407-431,1	LJu97/3 431.1-454.5 454.5-475.4	LJu97/3 475.4-497.1 497.1-520.5	LJu97/3 520.5-542.5 542.5-556	Ju97/4 5-26 26-49.7	Jn97/4 49.7-73.2 73.2-96.5	Ju97/4 96.5-120 120-144.5	Ju97/4 144.5-168 168-190.9
ROW2	Ju3214 32-61 0.0-29	Ju3215 51-80 Ju3214 119-122 Ju3215 0.0-24	Ju3220 0.0-31 Ju3215 80-109	Ju3265 4.5-6.1 Ju3220 33-61	Ju3265 58-87 30-58	Ju3267 25-56		
ROWI	TK 14 755-781 701-733	TK 14 905-930 880-905	TK14 927-952 930-953	TK 14 977-1004 953-977	TK 14 1029-1054 1004-1029	TK14 1080-1104 1054-1080	TK 14 1132-1160 1104-1132	TK 14 242-266 1160-1187

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Location: Logging Rack

Side: "D"

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ROW6								
ROW5								
ROW4	Au97/8	Au97/8	LJu97/7	L.Ju97/7	I.Ju97/7	LJu97/7	1.Ju97/7	L.Ju97/8
	49.1-72.7 24-49.1	97.8-120 72.7-96.8	0.0-28 Au97/8 120-130	51.3-75 28-51.3	75-98.6 98.6-123	147-175.6 123-147	194-216.6 173.6-194	0.0-26.6 LJu97/7 216.6-227
ROW3	L.Ju97/4 214.9-235.8 109.9-214.9	I.Ju97/4 259-282 235.8-259	LJu97/4 305.9-226.6 282-305.9	1.Ju97/4 352-375 328.6-352	LJu97/4 398.5-421.3 375-398.5	LJu97/4 444.5-467.8 421.3-444.5	I,.hu97/4 467.8-491 491-513	LJu97/4 537-561.5 513-537
ROW2	LJu97/2 97-121 121-144.7	LJu97/2 144.7-168.8 168.8-193	1.Ju97/2 193-217.2 217.2-247.8	LJu97/2 247.8-274 274-297.9	I.Ju97/2 297.4-320.2 320.2-342.7	LJu97/2 342.7-366 366-392.5	I.Ju97/2	
ROWJ	Ju1154 583-611 538-583	Ju1154 638-650 610-638						

Location: Shop Rack

Side: "A"

OW6								
OW5		<u> </u>						
OW4								
ŌW3			Ju5331 Ju3520 Ju3538 197-227	33837 Ju3528 130-16() 3512	3539 3539 Ju3543 3538 381-418	Ju3529 3538 346-380 Ju3529 38-60	3538 320-350 Ju35 0.0-15 Ju3541 123-152 Ju3538 3362	Ju3544/3534 106-117/29-56 Ju3534/3507 86-114 Ju3544/3509 57-86 /3509
10W2	Ju3227 57-60 Ju3542 0.0-30 Ju3228 20-49	3509 242-246 Ju3145 Ju3228 49-52 Ju3229 0.0-17	Ju3362 223-252 Ju3361 54-56 Ju3362 0.0-22	J232 17-68 J232 J232 69-97	J229 93-150 J229 J2	Ju3217 58-85 Ju3260 88-118 Ju3189 0.0-30	ju3214 91-119 Ju3340 65-95	3509/3509 /3509 /3509 /174-204
ROWI	1)85 298-332	1383 1285 408-432	D85 390-408 D85 333-356	1285 252-276 1282 -288	1282 241-265 D82 217-241	D82 171-193 1082 265-	1)82 148-171 D82 193-7	D85 1385 75-100

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Location: Shop Rack

Side: "B"

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ROW6							
ROW5		······					
ROW4						·	 ··
ROW3							
ROW2				، <u>م</u> رجع مرجع میں اور میں میں اور میں			
ROW1	Du633 90-127 149-197 118-149	Du633 213-243 29-59 59-90	Du634 180-209 Du633 183-213 243-271	Du635 22-51 Du634 209-239	Du636 0.0-30 Du635 227-237 Du635 51-79	Du637 48-77 Du637 77-106 Du636 119	

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Location: Shop Rack

Side: "C"

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ROW6							
ROW5		 			·		
14407		 					
ROW3		 					
ROW2	Du504 3547	 Du505 -90	3547	Du497 Du519	Du494 270-300	Du494 360-388	1
	Du514 127-160	Du514	275-305	130-189 Du520 166-195	Du519 81-129 Du519 231-261	Du497 185-214 Du494 330-360	Du514 28-62/1542# /538-567 1/7 2/1-564

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Location: Shop Rack

Side: "D"

				<u></u>			
		·					
	·····						V39
							421-440
Du496 0.0-31 96-111 58-93	Du603 15-43 Du603 42-70 Du602 0.0-27	Du629 207-235 297-326 235-265	Du629 0 0-29 60-88 266-297	Du629 88-118 178-207 149-178	Du632 234- Du632 141-172 Du629 30-59	17n632 83-112 141-172 30-59	Du632 55-84 27-55 112-141
	0.0-31 96-111	0.0-31 15-43 96-111 Du603 58-93 42-70 Du602	0.0-31 15-43 207-235 96-111 Du603 297-326 58-93 42-70 235-265 Du602	0.0-31 15-43 207-235 0.0-29 96-111 Du603 297-326 60-88 58-93 42-70 235-265 266-297 Du602	0.0-31 15-43 207-235 0.0-29 88-118 96-111 Du603 297-326 60-88 178-207 58-93 42-70 235-265 266-297 149-178 Du602 Du602 Du602 Du602 Du602	0.0-31 15-43 207-235 0.0-29 88-118 234- 96-111 Du603 297-326 60-88 178-207 Du632 58-93 42-70 235-265 266-297 149-178 141-172 Du602 Du629 Du629 Du629 Du629	0.0-31 15-43 207-235 0.0-29 88-118 234- 83-112 96-111 Du603 297-326 60-88 178-207 Du632 141-172 58-93 42-70 235-265 266-297 149-178 141-172 30-59 Du602 Du602 Du629 Du629 Du629 Du629

APPENDIX A

Drill Core Logs

Au 97 - 1 to 8

LJ 97 - 1 to 9

Assays have been converted from 'ppm' or 'ppb' to '%' or 'gm/mt' as applicable.

Assays have been filtered as follows:

- values for Pb/Zn less than 0.1% are shown as '-'

- values for Mo/W less than 0.01% are shown as '-'

-values for Au/Ag less than 0.01 gm/mt are shown as '-'

	Property_	JERS	eγ		- 10.						Hole I	. A	<u>u</u> 9	7- (
O-WHIMSTER PRINTING UTD.					138	Ŧm							3	
started MAR 14 97	Lor 2486m/8157	1 Dep. 2748 M	1901	5'Col.			logged b	, 1	. D		-			17/9-
Completed MAR 17 197	Bearing 090°	Dip - 30'	0	Lgih.		2	Location							
	Care Size BQ	Remarks:	est	<u> </u>	<u>(-Bi</u>	Zon	e							
	PTIGN		2,	FOC FROM	TAGE IQ	CORE	SAMPLE No.	SAMP. WIDTH	F		ISAY		<u></u>	A (
			124		<u> </u>									<u>As</u> (
0-2.07 CASING - LS					3.54		Au-1	101	.2	<u>11.9</u>	4.2		198	
2:07-6.31 DOLOMITE	<u>- 17+96 31</u>	εų, <u>†.</u>	<u>~20</u>	<u>F</u>						 	 		ļ	
SILC. tractured last In	n-no bandine	х <u> </u>		3.54	4.72		Au-2	1.18			┣—-	11		
-2.53-3.54 - py alor -4.72- 5.03 - minor sp -5.03- 5.85 - py, minor + along bands	y brxx fracti	res												
-4.72-5.03 - minor sp	hw. rusty p.	in bance		4.32	5.33		Au-3	0.61	<u>.2</u> .	.8	6.3	<u> </u>		
-5.03-5.85 - py, minor	- por to 10% 'in	fractures										$ \longrightarrow $		
<u> </u>		·		5, <u>33</u>	6.31		<u>Au-4</u>	0.98						
6.31-7.38 MINERALI7	ED ZONE-	upper .											÷	
contact sharp @ 45'	» 			631	7.38		Au-5	1.06				.15		,25
-heavy by los (2)	od), rusty, vi	Jaqu					_							
areas with 30-40%	6 dolo garnue	Dark		7.38	8.50		Au-6	1.12						
green serp (?) arra											_			
-lower contact brix		गाळ्लंहह		8.50	and		Au-7	0.55				ſ		_
		A A						<u></u>						
38-8.84 LIMESTON			109											
_ crystalline + massive +											†			
- crysucture + mussive	1- Wearup or	maea.									\neg			
-occ. sm. blebs po	/py				·			-				+		
- 8.50-8.69- massive - 8.84- 8.96- limestone	py here	-0.9	╧╍╌┤	<u> </u>								-+		
<u>- 8.84- 8.96-Limestone</u>	blebin pa/pi	1 <u>@_90</u> 100 2		<u> </u>							-+			
8.84-11.83-MINERAL		Ξ		9.05	10,36		<u>Au-8</u>	1.31			-+			•
_massive_po/py. Up _lower_contact war	percontact (2 60°tca												
lower contact war	py ~ 80° tra	· · · · · · ·		0.36	11.83		<u>Au-9</u>	1.47				-		'
$-9.05 - 9.66 - 80\% p \sigma,$ $-9.66 - 10.36 - 70\% p \sigma$ $-10.36 - 70\% p \sigma$	10% py, 10%	ganque				·								
-9.66-10.36 - 70% pa	, 20% py, 10%	gargue												.
					<u></u>									
20% qtz ganque					· · • · • · • • • • • • • • • • • • • •						·			
-10.73-11.83-90%p	<u>65% py, 5%</u>	ganque										-+		·
<u>20% qtz gamue</u> -10.73-11.83-90% po 11.83-17.25 LMESTON	JE light +	dark		11.83	13.66		Au-10	183			$ \rightarrow $	-+		
arey, mottled to be	nded	12,50(41)	20								\square	\square		
- or similar ou band	s xaut beddir	x 14.02(46)	50*	13.66	15 30		<u>Au-11</u>	1.64	-		\square	.14		
- preterminior py band at ~90" tra + ~15	s' in po/py_	<u>_15.5+(51</u>)	<u>6</u>								\square	\square		
	, .	16,76(55)	701		· .		I	. 1	I	ť	1	ł		
.														

	. Property	<u> </u>	rs	щ_				٠.		'n	Kale N	. A!	U97-1
IC. WHIMSTER PRINTING LTC.		0		0							heet	_	3
Started	Lat	Dep.		Col. 6	= =I.		ogged by	, L	D ·		Dati	. M	AR 17/97
Completed	Bearing -	Oip		lgth,			ocation						
Driller	Care Size	Remarks:				<u> </u>							
	DESCRIPTION		21	FOC FROM	TAGE	CORE RECOV'Y	SAMPLE No.	SAMP. WIDTH		·	SAY La		
-1270 4270	1 ul., ul., 1		ßly		<u> </u>				16.	<u>C.</u>	Ag	Au	
	d 1411-1417-silu			1530	15.97	·	<u>Au-12</u>	0.6					
	th 50% po/py +			 	<u> </u>					<u> </u>			<u></u>
	qtz-cb bebw		{	5									
	<u>'.g. diss py alon</u>	<u>g bands' "</u>	[15.97	17.25		<u>Au -13</u>	1.28					
<u> </u>		-					•						
	conformable to	<u> </u>	ta.								·		
17.25-23.47 MINER		71		1725	18.04		Au-14	0.H				<u>.23</u>	
pe/py through	nut-mottled bleb	strough_											
<u>bands</u>		0		18.04	19.35		Au-15	1.31					
-17.25-17.40-6	5% py, 5% po, 30	% cc anral	ρ.										
- 17.40-17.68- 40	°ора, 30% ру, 30%	accence		19.35	20 22		Au-16	098					
- 1768-10 04-70	6 px, 10% py, 20%	er galigus						<u></u>					
	10 pp, 10/0 py, 2010	<u>, gangoe</u>	7-2	30.22	21.1.1		Au-17	1 71					
- 18 50 - 20 07 - 40	lo with 25% pa/	py	23	20.33	RIVET		HU-ITI	hall					
$\frac{-10.50}{-0.04} + 40$	-50% py>pe in	grey_,_		2	22.10		n. 10	0.00				.96	.13As
silic dolo				21.64	24.49		<u>Au-18</u>	<u> כגיט</u>				• 10	<u></u>
$-\frac{-2027-2249-40}{-2027-2249-40}$	1/2 px, 15% py, 15%												24.4.
	slo?) gangle, py	moreases		22.49	23,47		<u>Au-19</u>	0.98				60	.24 As
down section	, trace cpy in pe	٤											
-22.49-23.47	0% py, 10% pø (1	mostly in											
<u>last 6 cm</u>), 50°	6 silic dolo/1st	gangée											
2347-24.81 DOLO	MITE - Silic	15+7) fa		23,47	24.69		Au-20	1.22					,28A3
_ light grey, p		- 1 - 1	30°										
-23.47-24.35 -	20% py blebs, rou	the hinte		-									
with minor p	x												
	mssive (80%) py	, tr. pø										_	
-near 24.75 is	smal, shiniy si	Ivory asm											
[~1% over 6	m)			7419	25.4Z		Au-21	0.72					
24.81-25.45 LIN		d. silic		<u></u>	<u></u>		<u></u>	-11-4					
hut finas	xystalline in play	as model									†	-†	
log 1-1	zysianing in pag	weyen	45°										
_banded.	s are indistrict		<u>_1</u>									\rightarrow	
- minor py at		••	·					[

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Property____JERSEY



Started	Lat	Dep.		Col. I	1.		Logged by	,]	D		Date	Ma	r 18
Completed	Bearing -	Dip		Lgth.			Location						
Driller	Core Size	Remarks;											
	3 E S C N I P T I Q N	<u> </u>			TAGE	CORE	SAMPLE	SAMP,			SAY		
			Bly.	FROM	то	RECOVIN		WIDTH	Ph	1	Ag	<u>Au</u>	
1,45-31,73-1X0L	OMITE-Light	grey with	<u>\</u>	25,42	26.61		Au22	1.19	.6	1.2	16.2		
dark grey bands	, hard, f.g. silic	26.82	30°		<u> </u>		-		1.5	<u> </u>			
-25.45-25.57 and	25.76-25.85 ban	15 of 29,26	25°	26.61	28.47		Au-23	<u>ط8، ا</u>	S	5.8	622	4	300
fig pulper + rec	-brown soh	28,04	Kio				-						
, , , , , , , , , , , , , , , , , , , ,	inor gal +sph s	acts 30.18	40	28.47	30,11		Au-24	1,64	.14	.53	3.7		
_along narrow b	الأيم كأس	pu/pa					~						-
- 26.61 - 26.88 - 30		1.7.1.		30.11	31.73		Au-25	1.62					
_over section		1-1					-						
-27.07-28,47 sph	lasta lasta	nomic voit					-						
		<u>camis xcut</u>		<u> </u>						<u> </u>			
core at low <		<u>n core</u>											
_15% sph ,10% ga	1, 20% px/py, 55	Zadele-gangi	<u>e</u>						<u> </u>				
	<u> </u>						•						
Py in veins	<u>Sph/py/po</u>						·						
- Py in Veins at	start of section	٠	-		<u> </u>								
-28,47-31,73 - mi	nor gal/sph/pi	in bands			}		-						
-f.a. to 21%	each d. skarn	in mottled	<u> </u>		;		-						
_areas in mid-	section. At 30	5.94 areen		<u></u>									
epidote blobs	+ dk aveen se	ro /the					-						
in skarny ar													
1.73-35.05 L	MESTONE	- Lialt	1	31.72	33.25		Au-26	1.52			-		
+ dark grey	f.a. to moderal		1	<u></u>	<u></u>		·····		_				
		30-45° ta		2275	34.20		Au-27	nad					
- Crystalline, Wa	10 _110 _	in a life to		<u></u>				دتي					
-31,73-33.25- F.g. with day -33.25-34.20- grey with bo py/px to -34,20-35.05- in f.g. 1st, green serp/	vourse criptous,	t la	\$ P ——	21.20	35.05		Au - 28	<u>م د م</u>			<u> </u>		
-Eg. with day	ck bands for la	JI bucm.	+	04.20	<u>v.o</u>		- 60	0,00			_		
-33.25-54.20-1	iner grained, he	JAT TO Daved											
grey with ba	nasor gal/sph	1 d minor	-	.			<u> </u>						
_py/pg_to	<u>-1%</u>		_										
- 547,20-35,05 -)	lery minor sph	gal/py/pe	<u>4</u>	<u> </u>			1						
In f.g. 1st,	minor skarn w	ith dultk					1						
green serp/	chl.		-								 		
U ()			1	ł	1					1.			

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	Property	JERS	E	l						위이	No.A	<u>u97-2</u>
NO WHIMSTER PRINTING LTD.										Shee	t!	2
Started Mar 17/97	Lor8157N (2486m)	Dop. 9014N (2	747,	Col. E	1. 1387		logged by				iote Mc	2r 18/97
Completed Mar 18 97	Bearing 696°	01p - 45'	•		13.72		Location					
Driller A Potapoff	Core Size BO	Remarks:	<u>_+</u>	<u>- 80F</u>	<u>stop</u>	2e (<u>a 13</u>	<u>.72</u>	.m	•		
ר ז <i>ע</i> DES כ ג	TION		ßl,	FROM		SORE RECOVE	SAMPLE No.	SAMP. WIOTH		ASSAY Z.a. A		-
0-1.65 MINERALIZE	D ZONE -		/2.0		i		n. 70		1 1	<u></u>	9 140	
	· · · · · · · · · · · · · · · · · · ·	assive		TRU	1.65	·	<u> Au-2</u>)	<u>1.3.</u>	} ;		_	
<u>(75%) pø in vubl</u>	Diu core		0									
1.65-13.72 DOLOMI	IE-light g	rey	<u>0</u>	1.65	3.17		<u> 4u-30</u>	11.72				
with dark bands												+
	ng namoris ti						1		<u> </u>			
running down core		Sph/gal			[_	
<u>Increase silic down</u>											_	· · · · ·
-1.65-2.74 - dark	monding, acc	navrow					· · · · · -			<u>+</u> -		
xcutting qtz veinte						-	•					<u> </u>
-2.74-3.17-brown	Fech banding	, slightly										
Vuggy + oxidezed				··· == · · ·								
-3,29- 3.81- 5-10%	Do/oy in dar	< block		3.17	4.36		Au-31	1.19				
clongated down a	fore to		,									1
- <u>3.90-5.61- v.f.g</u> .	It arou dolo u	"thea.	5 to	426	5.36		Au-32	1.00				
sulfides along nav	in hands . ~	10/2 2/10										
gal/sph increasin				5,36	6.43		Au-33	1.07		4	6	
-5.61-5.85 - dark gr	s banded and	± 1.65		2.2.4			<u> </u>			— 		
- 5,85-6.40 - grey-bri											-	
4 cm alteration ha											-	
<u>qtz veinlet, xcul</u>	- atz veiniers r	-xentals.					<u> </u>				-	
_ alteration		gtz		/ //2	701		1 24			6.	r	· ·
-6.40-7.86- dolo in		- [=	1	6.43	7.86	···-	Au-34	1.43		<u>، ما ا</u>		
<u>sulfides as at 3.</u>	90-5.61 From	16.92										
_ sulfidios increase	avound Silice	NS 6000									+ .	
to 20%, mainly	-per/py	0.70			CIL		4 74				-	
<u>-7.16-8.78-000 pú</u>	band to BIC	m @ 75 to	<u>~</u>	186	9,14		Au-35	2.4		<u>\$</u> 1	<u>э</u>	· · · · · · ·
-7.96-8.78-000 py some white to c -8.78-9.14 minor p	lear calcute W	The py.					<u> </u>				+	
-8,18-4,14, minor p	ps in a bleb u	with	-		<u> </u>							<u> </u>
atz-cb + dk are	en Sere.				ļ		 				_	
-9.14-9.81-40% s. harrow	<u>utides (py>s</u>	phz.pedyl		9,14	9.75		Au-36	0.61		9 4:	5	· ·
- Wigy in harrow	vands at low	Je tra			·		}					

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	Property	JERSI	EY.					• •			Jain b	A	197-2
			•										_of_2
Startad		Dep.	<u> </u>	Col. 8		<u> </u>	Logged by	<u> </u>	D.				AR 18/97
Completed	Bearing -	Dip		Lath.			Location	<u>, c</u>				0 1 1	Min (0[[+
Driller	Core Size	Remarks:	. <u> </u>	L sgin									
		j Kemuka.	1	100	TAGE	CORE	SAMPLE	SAMP,	<u></u>	AS	SAY		
	ALPTION		R.	FROM	10	RECOVY	No.	WIDTH	1%.	2.4.	Ag	Au	
-9.81-10.21 - 40% red	orown sph 5°	1/2 gal		9.75	10,27		Au-37	0.52	.6	8,4	28.0	,11	894 CJ
30°/2 py, 25% gana	ue I /	J ,					-						
-10,21 - 11.92 - hairline	L hands with	1 < < 1%								ļ			
-py/gal/sph @ 10-20				10.27	4.92		Au-38	اربحار					
py/gtz veinlets 1/2													
-1192-13.72 - trace mu				11.92	13.72		Au-39	1.80				.15	
gtz veinlets (barren)	Kandalu Mra	llol at	-		12114		<u></u>					-	
45° tra 7/57/5	Turning para	ner as											
	- Veinlets a			<u> </u>									<u> </u>
hardine to 1/2 cm the	uck and 2-3	icn apar											
		1 1 1-											
* Note: Hit stope @ 1	3.72m, Shai	Id nowe											
missed by ~3.5m			. _		· .		·						
have steepened di	re to drilling	<u> 11 4</u>	:										
tg - or imore W	(cely) the sta	De may											
nave been slashe	ed out 4 not	update	4										
on plans.		1											
		· · · · · · · · · · ·											<u> </u>
	·	·			· [
													
											<u>}</u>		
			— —	<u></u>									
•	·····	· ·											
										+			
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				- <u></u> -									
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	•···=	. <u> </u>											
				. <u>-</u>									
					•	•	•	•	4	1	1	1	

<u> </u>
 JERSEY

Property	RSE	4						· H	Idíe N	A	197-3
LENO-WHIMSTER PRINTING LTO.	-	I		-					hee!	1	_of
Storted Mar 18 97 Lat 8320N (2536m) Cop. 9080E	2768) Col. 8	1388	3	logged by	, L	D		-		r 19/97
Completed Mar 19 97 Bearing 085° Dip - 58	30	Lgth.	l8.29r	\overline{n}	Location	74	6 3	Sto	pe		<u> </u>
Oriller A. Potapoff Core Size BQ Remarks: +	11+ 2	4F 5	tope						1		
DESCRIPTION	Bly		TAGE	CORE RECOVITY	SAMPLE No.	SAMP. WIDTH	1%.	A\$1		Au	
0-3.90 LIMESTONE (dolomitic) - dark gre			·	ļ			, ,,,		3	<u> </u>	
w light bands, poorly banded, some good han		<u> </u>			•		[
- 0.85-1.46 - light grey, mossive, <1% sph/c		0,85	1.68	 	Au-40	1.83		1.3			
in narrow bands.	<u></u>	0100									
-1.80-2.50- 210% sph/py/gal in bands	-	1.68	2.59		Au-41	0.91		2.95	1.2		24861
-2.50-3.90- dk grey w. white cc bands +	25								_		
acasional x cut stringers. No sulfides.		3,84	4:57		Au-42	0.73	.2	.9	4.8		
3.90-18.29 DOLOMITE											
-3.90-4.57- 5% sph/py in bands to 5%											
locally + 1% overall. Core is broken.		1									
-4.57-18.29 - white massive dolo, f.g., unbar	داد	4,57	6.10		Au - 43	1.52					
		1.01			1	<u></u>			_		
with rare (<1%) gal/py along bands @		(10	7.53		H	1 /12					
<25° tca, very navrow.		6.10		<u>-</u>	<u>//u / 11</u>	כדיו			-1		· · · · · ·
3.03-10.52- 2% py/gal		7.53	900		Au-45	157					
-12.25-12.34 - 1% gal in specks	_	<u>r.59</u>	1,05		M-D	(102					
-12.34-13.11- small dk specks of greatblack		9.05	10,30		Au-46	1.25				+	
serp?		105	0,50		<u>nu - 16</u>						
-at 13.53- 1 cm qtz-vein w. 50% py/sph/ga	식	10.70	11 7 2		A	1 /12					·
$e = 50^{\circ} + c_{a}$	^	[0,30		·	Au-47	1.75					
-at 13.66 - 1cm gtz vern w. 50% py/sph/ga	쓰		12.25		N 110	112				-+	<u> </u>
<u>e</u> 75°tra	_	11.73	15,35		Au-48	[162					
-14.17 - py along hairline x cut fracture		12.25	14.78		A., 10	1/12				-+	· -
-15.27-15.33- py/ps in navion xait fractur - at 1594- 1/2 cm py vein @ 40° tra -15.85-16.15 - minor blk sph (4 gal ?) as smo	<u>es</u>	13.50	14.70		<u>Au-49</u>	140					
- at 1594- 12 cm pyvein (2 40° fra	11	11. 28	11 70		Au-50	192					
-15,85-16,15 - Minor BIKSPN (4 gal :/ 45 sma	<u> </u>	19110	16.70	14.78	85% R	<u>1.12</u>				-+	
specks along bands @25° to		<u>.</u>	<u> </u>	16.70	0 /0	<u> </u>					
- yest 10 rero. Loonts	- 7°	16.70	18.29		Au-51	1.9					
-16.70-16.85- ik grey bands											
-16.85-17.04 - white calcute, minor green/brow		-			<u> </u>	-					
skarny patches (10%), no sulfides -17.13-17.37-green/black specks as at 12.34-13.1 -17.56-17.83- 5% soh/ard bends at 15 tra		-				 				†	
-1756-17.83- 5% soh last brinds at 18 too	<u>-</u>				<u> </u>						

-1756-17.83- 5% sph/gel bands at 15 fce -17.83-18,29 - xout qtz stringers, no sulfides

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Hole No. AL 97-4

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Property____JERSEY

-ENO-WHIMSTER PRINTING LTD.										Sheet_		_of
Started Mar 1897	Lor 8320N (253/er)						logged by				×М	ar 27/
completed Mar 18 97	Bearing () 85°	<u>Dip -10°</u>			8.23		Location	746	<u>্র</u>	<u>ope</u>		
oriller A. Potapoff	Core Size BQ	Remarks:	<u>_+</u>	<u>84 F</u>	stop	<u>e O</u>	27/					
DESCI	RIFTION		21	FOC FROM		CORE	SAMPLE No.	SAMP. WIDTH		ASSAT	<u> </u>	-
			Bly.	FROM					<u>1%. c</u>	?~.		
-8.23 DLOMITE-					ļ			.			_	
-0-0.30 - light gre	y, minor py/p	e/sph/gal	250	0	1.52		Au-52	1.52				
-0.46-1.52- heavy su	fides increasi	na from	ł									
20-80% down Sect												
Sph + 10% gal . 5			30°								Ţ	
	Rove la										+	
sph_selvages	- ba II	vairluie_		<u> </u>				┼┈┿			1	
Xant py 5% (~ & veintet	s. Gangue			·		<u> </u>	┤╌──┝			╉╌╌┤	
includes pink dolo	· · · · · · · · · · · · · · · · · · ·			l				┢━─┤		<u> </u>	┼╍┙	<u> </u> -
-1.52 . 4.60 - Finely b	anded light a	1 med-dk			2.99_		A. 53	1.47				
@ 30-40° to	a . Xout ce/	atz or	ુંડે ₹									
ps/py veinlets to			1	299	4.27		Au-54	1.28				l
-At 3.20 is 7.5cm	orde with 10"	Lout lou	y						-		T	
<u></u>	Liea with 10	· pe/py		4 77	6.24		1 a	1.00				
_ but <1% over en		·····	<u> </u>	4.27	2.36		Au-55	1.07	<u> </u>		┼╴╴┦	
-4157-5.64 - F.g. u			\ 								┼───┤	
dolo with numero	vs parallel gl	z veinlets		5.36	6.86		Au-Sp	150		_		
to 1/4 cm @ 709 t	ca. 1/2 pu/	a clora										
narrow bands d												
fillings. Rare gal	ern specks in	minds										
-5.64 - 6.92 - blackd	Ni Le Lach	landed	2.4	191	212		Au-57	1 76				 }
			2	<u> </u>	F.02		mu ⁻ Jr	0.1-			+	. <u></u>
_dolo with 2% py/	per in hands,	along	<u>L</u>					+		<u> </u>	$\left - \right $	
fractures x cutting.	With minor	<u>sphlagal</u>	ρ.					╞━╸╾┼		<u> </u>		
-6.92-7.99 >50% ga sph >gal > py > pø 736-7.56 near ma	1/sph/py/pø	in dolo								_		<u> </u>
sph >gal> pu > Do	. 6.92 - 6.98 m	assive ga						<u> </u>				
736-756 near ma	ssive sphla	al.										
-7.59-8.23 Light GV	ey bunded do	lo with	50°	7.62	8.23	<u></u>	Au-58	0.Ы				L
-7.59-8.23 light gv 2-3% sph, 1/2% ge	l'minor an	r /ou										
<u>a - 10 spin, 12 10 ge</u>			İ	· ·					-			
FILL L. D''	al an	الأجرا بمريون									<u> </u>	
Entive hale is silicif	ka top in no	menzed	·					╁╾──┝			+	-
_sections								- ·			+	
		. <u></u>					 		- -	<u> </u>	<u> </u>	
<u></u>							 	· []				
			1	•	1	•	•			1	•	•

	Property_	JERSEY					_			Hole N	. <u>At</u>	<u>97-5</u>
ENG-WHIMSTER PRINTING LTD.										Sheet		of 4
Started Mar 22/97	Lat \$700N (2652m	Dep. 9210E (29	307)	Col. E	1388		ogged by		D	Dati	• <u>Ma</u>	r 27/97
Completed Mar 2.4/97		Dip -65		Lgth.	31.09		noitaza	74(<u>2 st</u>	spe_		
Driller A. Potapoff		Remarks:										<u> </u>
	DESCRIPTION		34	FOO FROM	TO	CORE RECOVIY	SAMPLE No.	SAMP. WIDTH	Ph. Z	ASSAY		
-0-2.38 JOLOM												
	tak grey finely	banded	30°									
tr py/po										_		
-0.58-2.38 mas	sive white + ligh	it grey		0.6	2.38		Au-59	1.77				<u> </u>
F.g., silicified	dolo with 1% o	allson								_		
as spects, min	nor pø.										! <u>↓ </u>	
-2.38 contect	@ 200 + ra											
2.38-4.85 LIME		Ily light		2.87	3,41		Au-60	1,54			-	
	1. warpy banded	fineto				. <u> </u>						
medium crusta	illine Banding	variable	20 ko 50°									
	ite massive cry					<u></u> .						
	or sph/gal spe	1		3.41	4.85		Au-61	<u>.44</u>				
	n massive-warp									_	<u> </u>	
band at 90° +							<u> </u>					
	ts in white mas	ssive areas								_	└──┼	<u> </u>
4.85-4.91- DOLC	IMITE (Limestor	Le appearon	αc∉	4.85	6.49		<u>Au-62</u>	1.64			<u> </u>	<u> </u>
but no fizz)			<u>70</u>								┟━┅╊	
4.91-7.44 - MINE											┝━┥╴	
sulfides in sili	<u>c lst/dolo gangu</u>	e, gred								_	┝──┦	
maderately crys	stalline.	, , ,									┟┈╼┨╼	
		garave,									┝──┼╸	<u></u>
sulfides are in!	blabs or very rou	Th banck									┝╌╌┝	
-4.97-5.15- 80%	6 pg 10% py, 10%	ganque									<u> </u>	
- 5.15-5.52 - 40	% pp/py blebs,_	pe >py									╞───┝╴	
-5.52-637-70	% pø/py (pø>pi	Dwith_									┝╍╌╄	
_white milky,	sillicenus ganque	, a grey		·								
_lst/dola_pan	que. Tr cpy wit	th por									<u>}</u>	
- 6.37- 6.64- 10-	-20% pr/py in b	ands	65	6.49	7,44		<u>Au-63</u>	0.95			╞╌┼╸	
+in blabs in	light d'ark bo	inded					 				┟╍╾┠╸	
<u>gangue - Fol</u>	py, 10% pz, 50% blabs or very rous % pz/py blabs, % pz/py blabs, % pz/py blabs, % pz/py blabs, sillceous gangue gue. Tr cpy with 20% ps/py in b light & dark bo	4 cmms									┼╌┼	
	Mass 65tra	<u>15°+r - </u>		[1				┝─┼╸	

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		Prope	"yJERSE	34					.*		H	Idle N	. A	<u>-u97-5</u>
	LENG-WHIMSTER PRINTING LTD.											1##t	2	.4
	Started	Lot	Deo.	<u> </u>	Lات	EI.		Logged b	 v /	D				av 27/2
	Completed	Bearing -	Cip		Lgth,		i	Location	است	~			<u> </u>	2.10
	Driller	Core Size	Remarks:										-	
	DESCA	PITON		2	1		CORE	SAMPLE	SAMP.		A35		<u> </u>	
	· · · · · · · · · · · · · · · · · · ·			ßl,	FROM	DT TO	RECOVIT	' Na,	WICTH	13.	2.4	Ag	Au	
	-6.64-7.01-80% pd, r	ninor py, tr	<u>cpy in</u>	 				-	<u> </u>		<u> </u>	·		
		langue				<u> </u>		-		ļ				
	-7.01-7.44 - 60% p.0.	tr py/cpy,	in gangue	70°	• •			-	ļ					
	1/2 white silva, 1/2	haht+dK a	rey, F.g.,		l	ļ	<u> </u>	-						
	finely banded, silic	_1st.						-		<u> </u>				
7.	44-1.40 LIMESTON	E-quey du	shite f.g.		7,44	8.50		Au-64	1.06					
	finely banded			ku lo Su ^a				-					Ì	
	-7.44-8.50 - few Icm	py/per/ota	bands					-						
	along bda.	191-413					ļ							
	- 8.50-10.85- ocrasiona	1 ~ hlebs	at In 15-in ad											
		1' .						h. 10	n rai					
		ebs drough	oanus with		10,82	11.40		Au-65	0,50					
	<u>qtz gangue in 1st.</u>	- <u>pyzpø.</u>						ļ						
	-11.40 - Contact, along		^				···			 				
•	2-23.20 DOLOMT	It - silici	ied		<u>11,40</u>	12.59		Au-66	Ш9					
	-11.40-12.59- med gree	, banded, s	1: to mod	50										
	-fractured & re-sealed	w.py dr	ninor pø.											
	Also py/po in band	s a along x	- Fractures											
	to 15% total. ~1%	sph (+ gal	.?)											
	-at 12.25 - 5 cm ba	ind of 50	1/2 sph/pg			; ;								
	+ minor py - rough	r . Uiir	to bdg.						-					
	-12,59-13,17- mottles		reu silic		2.59	13.17		Au-67	0,58					
	dolo w blebs po/pu	(tr gal s	ph). Sulfide											
	blebs are in arey of	reas or alon	na marquins			ŀ								
	blebs are in grey à	1 fidoo = 10%				ŀ								
	-13,17-13,78- 012 yeur	C @ 5-10° +	a runnina		13,17	13,78		Au-68	0.61					
	dong core (~1/40)		of po/pu					<u> </u>			İ			
	assoc with vein mo			ľ										
	is grey, F.g., silic,	SI. fracture	1. mossive									Ì		
		iss pa/pq.			-							-t		
	-13.78-18,26 - grey, m	Hled Silic	SI. Fractura		13,78	14,39		Au-69	141					. .
	inbanded dolo w 1-	26 1155 00	/ay din	\neg				<u>/ ער ער י</u>						<u></u>
	Fractures.				14.35	15.48		Au-70	1,09		 -			
	•·													

۰.

	Property	JERS	EL	1						Ë	Iale Na	<u>Au</u>	97-5
LENO-WHIMSTER PRINTING LTD.				-		•					1401	3_,	.4
Started	lat	Dep.		Col, B	I,	.	Logged by	, ,	Lρ	,	Date	May	-27/97
Completed	Bearing -	Dip		Lgth.			Location						
Driller	Core Size	Remarks:											
DES	CRIPTION		Bla	FOO FROM	TAGE	ECAR RECOVY	SAMPLE No.	SAMP. WIDTH	126.	A55 [2.4.]	AT		
-at 15.24-2.5cm p	r bleb w.mir	ar pø	- , ,,	15.48	16,34		Au-7	0,84					
-15,54-15.79-9tzbl													
with 30% pg/py													
-15,94-16,34 same a	is last.			16.34	17.04		Au-72	0.70					
-17.04- 17.34 - 50% pd		te otz+											
grey silic dolo gar				17.04	18,26		Au-73	1.22	_				
-18,26 - 18.90 - light gr	en silicitied m.	xastata											
venilets to Icm. A	+ 18.50 2×6 cm	py blass.		18.26	19.05		Au-74	0.79		}			
-19.04 - 20.67 - Sugar													
Akgrey dolo. Xai	11 8 7 1 1	*	10°	19.05	20.67		Au-75	1.62					
warpy) at 60° tra) Occasional	ou in											
gtz veinlets		19											
-20.67-22.89-unb	anded to poort	4 barded		20.67	22.25		Au-76	1.58					
weakly fractured,	F.g. SUGARI	aren dala											
_ Specks sph (+gal	7) to $4 < 10\%$.	Good bands	20	22.25	23,20		Au-77	0.95					
for last 30cm.	20 on fractures	< 1% for											
last boom.													
-22.89-23.20 - >5	0% po aven	dolo with											<u> </u>
minor areen ch													
23.20-24.69 5KF		STONE		23.20	24.69		Au-78	1.49					
grey/white, Fine to	med arained l	st with						-					
dark green/black	serolcht, light	careen					_						 .
diposide (epidata?)	to 50%. Section	on has											
<u>dark green/black</u> <u>diopside (epidota?)</u> <u>mottled appearan</u>	ce. <1/2% SM	, blebs											<u> </u>
pu/pø.													
- At 24.14-2 cm 1 - At 24.14-2 cm 1 skavn @ 35°tca	calcite veinlets	in areen											
skavn @ 35°tca		U						<u> </u>					<u> </u>
24.69-24.99-LIME	STONE - moti	led light											
+ darkgrey, hu .	sulfides, mir	NOY J											
green skarn.	· · · ·	· • • · · • - · · · · · · · · · · · · · ·		_			l	L					<u> </u>
24.99-25.36-LAI contacts @ 40°	YPROPHYRE	DYKE-	L						<u> </u>				. <u></u>
contacts @ 40°.	tro. Vonidko	ween. f.a.	I	I			• •		1	i l	I	I	

contacts @ 40° tca. Very dk green, f.g., -2% pale green divine & purple/red garnets

	Prope	JERS	EY					• •		1	Hole Na	<u>A</u> i	197-5		
LENG-WHIMSTER PRINTING LTD.											heet	4	of 4		
Storted .	Lat	Dep.		Cal. I	E1.		Logged b	y L	D.						
Completed	Bearing -	Dip		Lgth.			Location								
Driller	Core Size	Remarks:							<u> </u>						
ם מ	ESCRIPTION		Bly	FOC FROM	TAGE 10	SCAE RECOVIY	SAMPLE No.	SAMP WIDTH	P%.		Acy	Au			
25.36-25.82 LIMES	STONE - whi	te minor				<u> </u>	-	1	ĺ	1					
grey, roughly bo			90°				-								
<u>specks</u> 25.82-26.03 LAM	PROPHYRE	DUVE						+		+	$\left - \right $				
							<u> </u>			1			· · · · · ·		
as above, con-	acts at 40	tca, upper		• ••••••	·					<u>.</u>					
Is warpy.		1 1 1 1	<u> </u>	74	1, 17		A79	05		<u> </u>					
	ESTONE - lig		I	<u>2603</u>	26.67		<u>Au-79</u>	0,5	<u> </u>		┝┄━┼				
	, poorly band		1]			<u> </u>					
po/py as small	blebs' + tini			· <u> </u>	<u> </u>										
Also small blo		<u>jal?).</u>	<u> </u>	<u> </u>			-					-+			
26.67-2719 - LAME		YKE-as									- +		<u> </u>		
above, upper cor	rtact warpy,	lower sharp							·			+			
at 40° tra. @ 0	20° to bdg ir	<u>i lst below</u>	·				·		ļ	 	.				
~ 3-31.09-LIME:	STONE - gen	erally	50	27.19	29.04		Au-80	0.85	 	<u> </u>			 .		
light arey to	white, mod	crystalline,								<u> </u>					
massive to be	anded	. ,								<u> </u>					
-27.31-27.43 - pale	green-whet	L band @													
bootca with 1	10% shiny F	y blebs.													
White fibrous	crystals ali	ma band					 	ļ		ļ					
are wollastoni	te or ralet	1. <1/2%					· · · · · ·								
py/po specks	5 throughout														
· · · · ·			<u> </u>			<u></u>							. <u> </u>		
							 								
									<u> </u>						
			ļ		ļ							_ <u> </u> _			
. <u></u>				ļ	ļ										
			<u> </u>		<u> </u>		<u> </u>			<u> </u>					
· <u></u>				ļ	<u> </u>		<u> </u>			<u> </u>	└── │				
					<u> </u>		<u> </u>								
			<u> </u>	ļ		<u> </u>	<u> </u>		ļ	ļ		╾╾┝			
		·····		ļ			<u> </u>	<u> </u>	<u> </u>	<u> </u>					
· · · · · · · · · · · · · · · · · · ·	····		I	I	I	1	1	1	1	ł	1	I			

	Property	JERSE	ч							Hali	No.At	197-6
LENG-WHIMSTER PRINTING LTD	(,open)-										<u>ار ا</u>	-
Started Mar 25/97	Lat 8700N(2652m	Dep. 9191 E/3		() Col. 5	<u>।</u> 1388		Logged b	, Lĩ) ·			42 28/99
Completed Mar 26/97	Bearing 270°				30.48		Location					
Drillier A. Potapoff	Core Size BQ	Remarks: Pb	121	<u>ioti</u>	p, n	o he	ar	₽ø∕	<u> </u>	1		
	LETEON				TAG1 10	COAE	SAMPLE	SAMP. WIDTH		A35A7		
0 - 2.38 - CASING	<u> </u>		124						76.	2.45	<u> </u>	
2.38-7.01 - DOLOMIT	F light i			2,38	210		Au-81					į
-fine grained, finely	<u>c-agrite</u>	ave grein	TUR	12120	0.60		Mu pr				-	
Pb-Zh areas. Occas	ional blocks &	xauthing	30									
		<u>, and the second secon</u>	 							+		
-2 38- 360- light		with	<u> </u>				<u> </u>	1				. <u></u>
-2.38-360-light 10% py/ps/sph + tr	onlas somell	de snorte						1			ļ	
-3.60- 4.94- 40%	Julsob & min	or ox/ml		3,60	4.94		Au-82					
sph is orange-brown				0100				1				
alung some bands												
-4.94-7.01- (ight de												
f.g. dolo. Weak bri												
<1/4% specks py	1 . (··· - · · · · ·							-	
-7.56 - LAMPROI		E-110Der										
contact broken,		1.1										
Med grey-green			saut	s.								<u></u>
7.56-15.36 - DOLON	1TTE - white	massive			}							
_ sugary, to dark												<u>.</u>
limey banded i	hite massive	areas	75°									
have sulfide spec	ks in bands.	,							_			
-7.56-8.96 - Mainly	dkarey mi	norlight,										
finely banded tr	Py/PØ Speck	S At 8.78								_		
finely banded, tr to 9.90 - milky wh	ite gtz-cc bl	eb.										
-8.96-10.97-light	grey, sugary	_2% sph/		8.96	(0.24		<u>Au-83</u>			_+		
gol/py/px as sm	all ok bard	5,10.09-10.	24	-								
	<u>rorystallina k</u>	leb (sl. lim		10.24	11.58		Au-84					
5% pu/po	ـــــــــــــــــــــــــــــــــــــ							 			_	
<u> </u>	cey, banded as	at 8.96-10.95	 	11.58	13,17		Au-85					
-Atter 13.17 pullod	Isonlaad incre	ases esp.	<u> </u>					<u> </u>		<u> </u>		<u></u> ,
in warpy bands.	t on fractures			13.17	14.20		Au-86	 		 	╞╌┦	
harpy bands . Around 12.50 - but but /green	nite sheen on	fracture.					1				 	
bue/green		19.										

-	Property	JER	5E^	1				۰.		. H	¢le No⊾	Au 9	7-6
NO WHIMSTER PRINTING (TD.											2		3
Started	Lat	 Dep.	<u> </u>	Col. E			Logged by		LD			Mar	28/9=
Completed	Bearing	Cio		Lgth.			Location						<u> </u>
Driller	. Care Size	Remarks:											
	SCRIPTION		RI.	FOO FROM	TAGE TO	CORE RECOVIY	SAMPLE No.	SAMP.	1%.	A35/	. Y		
-14.53-1463- sulfid	AS 2004		<u>7. 7</u>	14.20	14.97	ļ	Au-87	1.7	†				
-At 14.81- 4 cm									·				
-15.36 - contact grad		ase in		14.97	16.09		Au-88	1.12	<u> </u>				
orange-arey colour							-	_	ļ				
15.36-16.55- LIMES	STONE - gray 4		70°	16.09	17.68		Au-89	1.59	<u> </u>				
banded, coarse cru	1 1 1/1 1/	۹, ۲, ۲,	1					<u> </u>					
-16.09-16.55- grado	itional contact	(1) 1	L										
16.55-17.68- DOLOI	MITE - white	light grey											
massive, sugary, f	F.g., silicified for	or last 60 cm											
-16.76-17.07 - 5%	ou/or.tr.soh.	41/2% pu											. <u>.</u> .
on fractures		1)								-			
17.68-18.56 - LAMP	RAPHYRE DY	IKE- WODE	~										
	ground, lowerat.												
	reen, minor rec												
biotite pale gra		•											
18.56-19.05-DOLO		re duke		18.56	19.14		Au -90	0.58					
minor Du /or (~)	1/2%) silicified	, , ,											
19.05-22.16- LIME		.ct arades.											
	dark bands, fg		2										
massive, becoming		ast Im	70-9	0 *								_	
No sulfidio													<u> </u>
_21.95-22.16- darker	chands, slightly	skamu,		22.10	23.53		Au-91	1.43					<u>.</u>
pype to 5% local	Ly (22,10-22,16).	ð,											
7211 - contrat 6	v 70° tra										<u>. </u>		
22,16-24.51-5KA	RN - havd, gr	een, mottle	ļ,	23.53	24,51		Au-92	0.98					
minor garnet, chl	, white & yellow	calcite,	[· · ·									
- <u>2</u> 2.16-22.22 - abu	naam sureeuu	<u></u>											<u></u>
-22.37-22.46 - br	<u>xx, yellow alut</u>	<u>i, silicitied</u>		 			-						. <u></u> ,
with tiny py +	aspy specks to	<u>2% (pyzas</u>	ky)	- 			 						
-2322-24,51- mU	he blebs, gener	ally near					 						<u> </u>
<u>garnet</u> or dk gu Also occasional b	een actinolite	to 1/4%					 						
Also occasional to	deb ov speck f	wore .	•		•		-	•			I.		

near top of section

	Property.	Jers	ey.	· · · - · · · · · · · · · · · · · · · ·						Ho	le Na_	Au 97-6
LENO-WHIMSTER PRINTING LTD.		·	ł							She	•	<u></u>
Started	Lat	Dep.		Col. 8	I.		logged b	y L	_D		Date 1	Mar 28/9
Completed	8earing -	Dip		lgth.			Location					
Oriller	Core Size	Remarks:									_	
0 8 5 0	(\$17710N		Bl.	FOO FROM	TO	CORE RECOV'Y	SAMPLE No.	SAMP. WIDTH		Zw.	<u></u>	_
-23.53-23.62 - lamp	dyke @75°t	-ca_							.		L	
- Abundant scheelite	specks at 23	2.16-22.22						Ì				
23.01-23.04, 23.10-2	4	, j			į							
25.76,26.37-26.43,	,				:		<u> </u>					
Also as scattered s												
skamy green are												
mostly assoc w.			•					T				
24.51-25.12 - LIMES	•	4 . 2 .		24.51	25 12		Au-93	1.1.1				
grey, crystalline			7.5	<u> </u>								-
								-				
		<u>-pø/py</u> _			1 4		<u> </u>					
along bed's except		1			1		4 01		<u> </u>			
25.12-25.91- 5KAR	IN - as above	e, mottled		25.12	26.12		Au-94	<u>\.cc</u>)			
light green, hard,	diopside, da	rkgreen	1									
ctinolite chlorit	<u>e, calcité, c</u>	reygtz,										
_rare garnet. Pe	5, <1% moli	, blebs,			_			ļ	ļ			
		15cm é										
as isolated speck	s thru rest.	. Contacts										
gradational close	bdg.				5							
25.91-2847 - SKART	(Y LIMESTO	NE-		26.12	26.79		Au-95	0.67				
	lst interband	ed with										
Dale green /white			,	28.04	28,47		Au-96	0.43		.'		
wollastonite Mine	nr parfur 1st	30 cm d										
vare specks in sl	orn. Scheeli	tat										1
21.27. 26.43 26.4	9-76.55 28.13-	28.16.									—	
26.37, 26.43, 26.44 Section is silicifi	ed.											
- at 28.18 - 5.10	ato voin co	ntains										1
<u>-at 28.185m</u> 20% pe, 10% p 28.47-29.47 - LIN	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	-0_										
2847-2947 - LIN	JESTANE-	contacts										
both at 70° to	n word silve		7 ,°								-	
	man cente	to do -l									-	
- yrey, or y souther	unded.	LV CILY L		31105	30.48		Au-97	242			+	
29.47- 20 48 - DO	I MITE - C.	lic white		<u></u>		i		<u>- 1</u>				
grey, crystalline 4 light well b 29.47-30.48 - DO minor med grey sph in bands to	farme"	up tonce	J									
sah in hands The	vereasing to a	sel for										
		10 0										
last 30 cm.												

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SULTAN MINERALS INCDIAMOND	DRILL	CORE	LOG
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JERSEY Property____

Hole No. AU97-7 Sheet 1 of 5

J.WRIMSTER PRINTING LTD.			<u>.</u>	N		· · · · · · · · ·		- <u></u> -		Shee		5
Started Mar 26/97	(2731m)				<u>II. 1396</u>		logged by				Date	larch 29
Completed May 28/97	Bearing 315°	Dio -58		lgth	51.82		Location	90	65	top	<u>e</u>	<u>-</u>
Oriller A. Potapoff	Care Size BQ	Remarks:						÷				
0 € \$ C	PIPTION		R4	FAC FAC		CORE RECOVITY	SAMPLE No.	SAMP. WIDTH		ASSAY	—,—	-
7.56 - DOLOMITE -	- huston to 6		1524				-		<u>~%.</u> .	<u></u>		·
orange massive s				0	1.22		Au-98	1 27	<u>}</u> — -		_ <u> </u>	
grey + white/ora			80°	· · · · · ·	1126		<u>1 HU -70</u>	1122				1
Sections Trace p		unaea	au				-		<u>-</u> -			
-4.57-6.80 - orang	a s Gartie	Jhr										+
orcasional dk s	rects (sob))					+					
-6.80-866 - light a		brunded		1.50	8.66		Au 99	1.86				
-fg, silic, 2-3%					0.00		. 					
fractures and a	loss bdo lic	<u>∞</u>					-					
on is fractured, b		1										1
-8.66-10.97 - DK gr					<u> </u>							
		/									+	
fractured with orce					<u> </u>							<u>-</u>
+ minor gtz infilli	1	· ·									<u> </u>	
<ta orange<="" td=""><td></td><td>) broken</td><td>·</td><td></td><td>·</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></ta>) broken	·		·							
Surfaces. No Sul			<u></u>					-	<u> </u>			
-10.97-12.68- dark			<u>80</u>						· -			
above, no orange	<u>cb. A fracture</u>	res tilled		1250	17 44		1	10		0.0		
with white qtz-c	-			14.07	13.44		Au-Rod	0,0	- 4	8 2.	4	485 C2
-12.68-13.44 - '30%												
70° tra in light +				12 14			A	100				-
- 13.44-14.33-grey.		<u>as 1097</u> T		13.44	14.33		<u>Au-101</u>	120				3
to 12.68 with 1-	2 /2 py on trac	ures										
+ along bands				164.25	15.00		Au-102	0.3		9		3 59 Cd
-14.33-15.00 - 10% White calutexfract	sph + minor p	ng panas		17:25	13.00		<u>Fu-102</u>					55702
-15.00-16.76-DKg	Cert data as 10	GZ 12 1 V						-				
			<u> </u>	•							+	1
-14.76-17.19- light W	med all with	the 20% ~1	إحارك	16.76	1731		Au-103	1154		42	1.27	1997 62
-16.28-16.73-mino -16.76-17.19-light be and 2% sph.			75					<u></u>		<u></u>		
1-17,19-17,56-grey be												
56-17.83 LAMPR	OPHYRE DYK	E at 65tr	2									<u> </u>

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Property	JERSEY	

	Prop	IERSE	24								- Hole N	. <u>A</u>	<u>u97-7</u>				
LENG-WHIMSTER PRINTING LTD.						-							_of. <u>5</u>				
Started	Lat	Dep.		Cel. é			logged b	<u>у</u>	LD		Dat	• M	ar 28/9				
Completed	Becring	Dip		.grh.			Location										
Driller	Care Size	Remarks:					·			ASSAY							
7.83-23.84	DESCRIPTION		31	FOC NCM	10	CORE RECOVIY	SAMPLE No.	SAMP. WIDTH	PB.	AS Z.r.	<u> </u>	Au	1				
-a DOLOM	ITE- (LIMEY)	- med arey	~/				-	1		i							
with minor dar			60	• ••••	<u> </u>		-	-				 					
bands are lin	· •						4										
-18.44-19.87 - 10			18	щĻ	19,11		Au- XH	0.67		.9	1.7						
bands + fractur		% sph in band		· · ·			-										
-19.87-20.51-M				,]]	19,78		Au-105	0,67		1,4	[,4		101 Cd				
in silicious, ba				•													
- 21:09-22,56 - f			19	78	20151		Au-106	0,73		.5							
occasional dark													 				
on some fracte	•	ι I	21.	.09	22.34		Au-107	1.25		-1							
to <1%, dk		A											<u></u>				
to 41%.																	
-22.56-23.84-9	rous white dol	0. Silicified	 														
imey banded,	10	- starner															
- 1% py on fra	ctures through	rout.							ľ								
	MPROPHYRE							-	1								
	+ broken. Uppe																
broken.					·												
24.20-27.74- DC	VOMITE - as	at 27.56-	24	1.20	25.09		Au-108	0,89		.6	1.9						
	le appearance																
•	- 1 1 +																
24.38-24.54 -	<u>irn.entire sec</u> 10% py/sphin	, bands	25	5.OI	26.15		Au-109	1.06									
at 65° tca				,													
	cm pale green	hard patch															
with fluores	cence	,															
-26.67-27.46	- 10% py/pø/s	sph in band	<u>s 26</u>	67	27.58		<u>Au-110</u>	0.91		,95	فارا						
-26.67-27.46 at 65° tco. 1 27.74-27.83 - L	tiso polpy in >	cut fracture				······································				-							
27.74-27.83 - L	IMESTONE -	gradational					 				$ \longrightarrow $						
ontacts, Jk 2783-28.510-L1	grey, f.g., par	ty barded					 										
2783-28.56-LI	AMPROPHYRE	DAKF -					 	<u> </u>									
vpper contact (270° tca, lower	<u>gougy tale</u>									-	ŀ					
.		<i>d</i> chlorite							,								

	Property	, JERSI	ΞЧ		_			,			Hole I	No. A	<u>u 97-7</u>			
LENG-WHIMSTER PRINTING LTD.											Sheet_	3	5			
Started	Lat	Dep.		Cal. I		 	Logged b	y L	D.			te M	arch 28/4			
Completed	Bearing	Dip		lgth.			Location									
Drißer	Core Size	Remarks:			. <u></u>											
DESC	2 ' P T I O N		Bl	FOC TROM	10 10	CORE RECOVIY	SAMPLE No.	SAMP WIDT)		2.	Aq	Au	1			
28.56-29.72 - LIMESTO	NE-dkare	u. as	17				-		1	1			1			
_ before dlike.																
	ITE - contac	+ availation	al	30.36	31.36		Au-111	1.00								
	White, sligh								[
1.18-31.97 massive Whatasional	dk bands.		6	31.36	3197		Au-112	0.6			43]				
_py/po/sph/tr.gal	in bands in	creases to						<u> </u>			ļ	Ĺ	L			
	m. Last 150				 			<u>.</u>			<u> </u>	ļ				
hard pale pink-whi	ite siliceous s	karn? with	1	<u> </u>					ĺ	 	<u> </u>					
I cm ou cubes at	it's edge.							ĺ			{					
31.97-33.04- GRAN	VITIC DYK	E-upper		31.97	33.04		Au-113	1.07	} 	!						
_ contact & 40° tca.	with musco										ļ					
_along it, lower of		1 1 1														
_ with granite cour	ge for 10 cm	Λ·														
- 1st 5 cm has 5										ĺ			····			
mica-rich contai										 			<u> </u>			
-1st 45cm-9tz 5	stringer runs	s down cor	ŧ							ļ						
+ has pp of thice			L													
-at 32.13- (spec	<u>k scheelite</u>	L														
-Generally grant	e is white	to pale														
green, medium gr	i l		<u> </u>													
33.04-43.01- DOLON	1ITE - greys	+ white		33.04	33.56		Au-114	<u> </u>	,7	.5	18.6					
massive to band	led		70°													
-33.04-34.75- very	<u>siliceous, abui</u>	ndant		33,56	34,32		Au-115	0,76	.5	1	153.		<u>511 Bi</u>			
_po/py_esp @ 33.2	2. 7.5cm co	ntains														
pø/py_esp_@_33.2 	uneral?		<u> </u>	34.32	34.78		<u>Au-116</u>	0.46			2,1	-12				
-at 33.59-34.08	- 30% sulf	des	<u> </u>	-				A ()				┢──┤				
<u>-at 34,66-34.75-</u>	<u>90% sulfi</u>	des	70"	35.23	35.84		Au-117	0.61	.15	.15	29					
- 34:25- 55.30- 5111	ceous, milky	white		[
-at 34.66-34.75- - 34.75-35.30-35:11 patches, wggy with	<u>, qtz xtals in</u>	VUgs +	.									┢╍╌┥				
- minor py - - 35.94 - 35.60 - 25	d/	- haird		 	 					<u> </u>						
- <u>- 00, - 5 - 50</u>	ropo, minor	py puno								–		, – 				

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serty	JERSEY	

	Propert	JERS	EY							Hole	No. A	u97-7
. J-WHIMSTER PRINTING LTD										Sheet	4	
Started		Ceo.		Col.	 	<u> </u>	logged b	≖ יγ {	_D.	D	ate N	lar 29/9
Completed	Bearing -	Dio		lgth.			Location				<u> </u>	
Driller	Core Size	Remarks:										
	0F5C910TION		BL	FROM	TO	CORE AECOV'Y	SAMPLE No.	SAMP. WIDTH	173.	ASSAY	9 Au	
-35.94 - 36.30 - 4	10% ou 20% or in b	lahs	<u>152.9.</u>	3584	36.54	<u> </u>	Au118				,	1395 AS
di -> WARANS	0% py, 20% px in b Swfides					·		- 4		<i>*</i>		
1 35cm	-J				1						-	<u> </u>
-36.36-36.58-VI	ggtz with stals +	f.a.ou		36.58	37.43		Au-119	0.5			+	
in vugs	,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.7.13	İ									
	30% pø/py. 1st half	section		37.43	38.71		Ay-120	1.28				
1 .	, resthas pyzp]	ł								
	. Dkgreen/blks		e	38.71	39.62		Au-12)	0.91		4,7	H	
	cas, Roughly banc		65°									
	% py, 5% pg in wa		50	3962	41.00		Au-122	1.38	_		T	
	n atz/cc veinlet i											
at 55° tca. c	arallel to band in	<u></u>									1	[
	% pe/py in bands											
	80% pe/py, pe d		Fn	41.00	4170		Au-123	0.7a		32	.32	873 As
+1.57-41.64 - m	Dassive por, lesser	ru in					,					
siliceous bana		f 7-11-										
	ninor py/po.along	bands 4		41.70	42.67		44-124	097		1.9	.19	305 A 5
Fractures					-							
-42.03-42.09-9	tz band with 5% -	f.g.py,			-							
	margin at 70°+											
- 42. 43- 42.55-	gtz bund with pu	onlower	45°	42.67	43.65 -		Au-125	0.98			.11	401 As
<u>_brarain tin b</u>	ands to 2%.											
13.01-48.07 - LIN	ESTONE - Light o	irey/white										
f.g. to coarse	hy crystalline, grad nding with <1% p	- contact.				·······						
Occ. weak bas	nding with <1% p	ч	<u>55</u> °									
-4307-43.28	E py, minor pe to along fractures a	30% in			•							
migh bands 4	along fractives a	t low stra										
- 43.28- 44.29	- well-banded, f.g.	py on bunck	50"								 	
- 44.29 - 45.48	- massive po, mino	<u>r jey, tropy</u>		44,29_	45,48		Au-126	1.19		2,7	503	933 Bi
In 15% silice	ous gangue. Minon nout-increasing a	cscheelti		••••••							 	
_ specks through	nout-inoreasing a	t 44,29-44	38		-						 	
44.94, 44.96- 45	5.11, 45.23-45.35.							•	'	•	• •	

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		Property_	JERS	SEU							Ē	- Iole N	<u>, A</u>	<u>u97-7</u>
	.O-WHIMSTER PRINTING LTD.		-									heet	5	_of_5
_	Started	Lat	Cep.		Coi. I	:		logged by	 1	D		Date	, M	2r29/97
	Completed	Bearing -	Dip		Lgth.			Location			_			
_	Driller	Care Size	Remarks:											
	DESCA	1710N		21	FOC FROM	TAGE	CORE RECOVIY	SAMPLE No.	SAMP.	173.		AY		
	45.48-45.78-Qtz wit	1. 10°1 pd 6°1	lal lac	<u>B4</u>		<u> </u>		ļ		1	Zn.		1 Au	
_	+ along fractures. SI.				<u>45</u> ,4 <u>8</u>	45.96		<u>Au-127</u>	0.40			1.5	.[D	·
_	45.78-46.02-60% pg		zin vogz. tz/cc gangi	ļ.—	45.96	4.51	<u>.</u>	Au-128	0.6			5.7	.17	756 AS
-	sulfides in rough b		13/cc garige	60°	0.10	<u>י נ.טד</u>		<u>r u</u> 1 <i>20</i>				<i></i>	*14	<u></u>
-	46.02-46.57- 50% pu	· · ·	nterbanded						-					
	with it + Jk 1st			60	<u> </u>					<u></u>		<u> </u>		
-	46.57-48.07 - skarny	interlayers	eso nali									•		
_		46.76-46.82 4												
		- 1	-										-	<u> </u>
_	gouge, white a pale of										<u></u>	ĺ	-	
48		N - varies fre			48.04	48.95	···	Au-129	ng)			—†		1028 Mc
1 92	diopside/chlorite/se	era kuitte ava	All green		10,01	10. 30		<u>ru</u> 161	<u>v.</u>				-	
		arey silicified	V 14									1		
_	tremolite massive		Nollasioni	£									<u> </u>	
	-48.07 - 48.95 - green	•	, with										-	
_	minor pe/py. Powell	its specks 481	48.78											
	48.34 - 48.43 , 48.49-											-		
- zarn	etband at 48.31.												_	
· -	-49.80-50.08 - dk g	reen Serp sk	arn with			-								
_	minor agrnet, Very	soft lots of	supr. 1			-								
_	- 50.08-50.63 - Light	totk oreen c	lots and			-								
_	-50.08-50.63 - Light rough bands in wh 25% green serp (to -51.63-51.82 - calc cure d has pal	ite/arey sil	ic lst.			-								
_	25% green serp (t	alc? epidote	?).										i i	
	-51.63-51.82-calc	te bleb rur	15 down											· · · · · · · · · · · · · · · · · · ·
-	cored has pal	<u>areen (talc</u>	.?)											
-	selvages.				·									
-														
-	· · · · · · · · · · · · · · · · · · ·	·										[
-							-							
-														······
-								<u> </u>						

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Property	<u>a</u> Se	<u>-</u>				• •			Hale ł	.A	<u>u 97-8</u>
COWHIMSTER PRINTING LTD.									ihee!		
Started Mar 28/97 101 8395N (25-59m) Dep. 9095E (2	777	m) Cal.	EL 1389	3	logged b	y la	. D .		Dat	• M	ar 29/97
Completed May 29/97 Bearing 150° Dip -45°			39.32		Location		_				tFxart
Driller A. POtapoff Core Size BQ Remarks:		<u>.</u>									
QESCRIPTION	Bl	FOC FROM	TO	CORE RECOVIT	SAMPLE No.	SAMP. WIDTH	123.	л 24	ISAY Hay	Au	
0-3.20 LIMESTONE - med + dkgrey	Ĩ,				-		1		1		
mottled to poorly banded. Occasional swiring	30°				-	-			<u> </u>		
white ralate bands a hairline x-fractures			1		-		<u> </u>		<u> </u>		
Tr. pu				<u> </u>	-						
-2.96-3.11- 30% py/ps, minor sph (4 gal?)		2.93	4.36		Au-130	1.43		3.1	1,5		278 6
as blabs roughly aligned at 25° tra.					-			ļ			
3.20-7.10 DOLOMITE-contact marked											
by increased Zn mineralization.						Ì					
-3,20-5.49-med grey, banded	30°				-						
-549-6.58- light grey, massive		5.55	6.71		Au-13	1.16		·			
-6.58-7.10- med grey, banded.				ļ							
-3.20-4.11-20% sph, 10% py, minor po/gall?) }				1						
_ in bands parallel to bdg. 1st 1/2 sect, best mi	<u>.</u>							. *.			
5,49-6.58-occ py on Fractures & black					1						
Sperks (apl?)											
7.10-11.89 - LIMEY DOLOMITE (Lumeston	$\overline{\mathbf{x}}$	7.56	8.17		Au-132	0,58		.9	-		
-grey, med. grained, sulfide banding, increase											
down section		8.17	10,64		Au-133	2.47		3.1	1.3		307 Cd
-7.10-8.17 - mainly py/po, minor sph.							-		-		
-8.17-11.89 - 10 to 30% Sph, 5-15% py.		10.64	11.89		Au-134	1.25		3,5	2,3		311 Cd
11.89-16-58- DOLOM.ITE - silicified in parts											
grey, nottled, f.g., faint banding	25°	11.89	2.62		Au-135	0.73					
-11.89-12.31 - 1/2 cm py cubes - occasional											
-12.31-12.62-white viday at with oy 4											
atz stals. 5% py/pp.								·			
-12.62-13.41- siliceous blebs +wanpy band	5	12:62	13,78		Au-136	1.16				$ \downarrow$	
of yellow cb, py/po, 2% py/po, 10% sili	a]				
- of yellow cb, py/po. 2% py/po, 10% sili -13.41-13.78-up to 2% py/po in narrow		13,78	14.94		Au-137	1.16		<u>.95</u>			
bands at 25° tra. Patches of silice +			 		 				\square	-+	
yellow carbonate			ļ							\square	
-13.78-14.94-minor sph, lesser py/pe alune narrow bands @ 30° tca. Minor 9tz veinin "roughly parallel to bands & x-cutting	<u> </u>			<u> </u>	 				\square		
narrow bands @ 30° tca. Minor gtz veini	າເງ່		I	1		I I	I	ł	ł	I	
Troughly parallel to bands & x-autting											

"roughly parallel to bands & x-autting

	Prope	JER	SE	1							Hale I	No. /	<u>1197-8</u>
-NO-WHIMSTER PRINTING LTD.											iheet	~	4_
Started	Lar	Deo.		[†] C₀l.	El.		logged b	γ Į	D		Da	16	Mar 31
Completed	Bearing	Dip		Lgth.			Location						/
Driller	Core Size	Remarks:											
	ESCRIPTION		BL	103 610M		CORE ACCOV'Y	SAMPLE No.	SAMP. WIDTH	PB.		IAg	Au	
-14.94-15.39 - Qtz wir	4 30% 0x blob	s mindr ou		14.94	15.61		Au-13		1-	1	<u> </u>		458 Å
cpy + shiny silve	ru Bi (m. b	o lem	· · · · ·	<u>, , , , , , , , , , , , , , , , , , , </u>		<u> </u>	-	9.0.00		<u> </u>	<u> </u>	<u> </u>	12010
to 1%. Occasional			¢.				-						
minor pale yellow	rarb. Dkare	en chl?with	p				•	1	<u> </u>			-	
the sulfide	<u> </u>		1			<u> </u>		- <u> </u>					
-15.39-15.61 - 70%	a minar ou d	r cou in										1	
siliceous grey dol	omite. Sulfide	ally rough	1										
bands at low				1									·
× fractures.													
-15.61-16.58-are	mottled dolo	with 30%		156	16.58		Au-139	0.97		.2			
por>sph>py,													
X-fractures MI													<u>. </u>
-at 16.58- contact													
1 3-25.05 - QUA	, , , , ,			6,58	1890		Au-140	2.32			1.6	1,59	247 B
> 50% gtz, gray		•											
chlorite, actinol	ite	1101											
- 16.58-11p.70 - 20/	<u>sm.specks</u> sc	beelite_											
along dyke me	irgin												
-16.58-18.90-609	6 Jk green, sof	E, crystallin											
_ chlorite - actival it	e + 40% gtz.	Minor pile											
yellow cb with +	hegtz + minor	· light green								·.			· · · · · · · · · · · · · · · · · · ·
sericita with the	Chlorite, 2101	10, 10,04											. <u>.</u>
- 18.90-19.66 Pate granite, 10% dk and minor yello	as blebs	/ / -											<u> </u>
- 18.90- 19.66 60 Pal	areen, F.g. Se	nati		18.90	19.66		Au-141	0.76				.21	
granite, 10% dk	green chlorib	2, 30% gtz											
and minor yello	w cb-mottled	with gtz		, •,								Ì	
<u>us rough veins</u>	<u>at law < -</u>	tra											
-@ 19.08- 7.5 cm	gtz area wi	th 1% soft						ļļ					
-@ 19.08 ⁰ - 7.5cm 	Bijgal, moh	V											
			ļ 										
-19.66-20.21-70°,	69tz, 30% light	+ dk green	<u> </u>	19.66	20,21		Au - 142	0.55					194 MO
chlorite/seriate. blabs. Few sm.	1% moly/py/	'pø as sm.	•		,			- '			•	. 1	
blebs. Few Sm.	vugs in qtz a	reas											

	. Propert	,JER;	SE	ł				• •		Ha	le No	A	u97-8
CENO-WHIMSTER PRINTING LTD.			÷								•!		4
Started	Lat	Dap.		Col.	El.		Logged b	γ	LD				lar 31/97
Completed	Bearing =	Dip		Lgrh.			Location						
Driller	Core Size	Remarks:											
	DESCRIPTION		Bly	FOI FROM	TO	CORE RECOVIY	SAMPLE No.	SAMP, WIDTH		ASSA Z.v. A	_	9 u	,
-20.21-21.55 - n	nottled light + dk	areen.	~	20.21	21.55		Au-14	31.34	-		4	<u> </u>	
_duke with 30	0% atz, 5% f.g.						•						
py/x.	12 17	0			1		-						
- 1/-1	rainly gtz with	10% light		21.55	22.13		A-144	0.58			1	2.1	
	us minerals. 1-2						·				-		
blebs. Minor	VUQS, NI% shin	y soft		22.13	23.10		Au-145	0.97		24	82	53	1274 3.
	pecks (Bi?) in ro												
in qtz runnir	ng down c.a.	a - spe	لاچ ا	23.10	23.77		Au-146	0.67		2	4		100 M o
	- 22.13-23.10.												
-23.77-25.05-	60% gtz, 40%	jahtadk.		23.77	24.69		Au-147	0.92		ti	4	5	204Mo
	1 1 600	Pryin											
	minor molyin			24.69	25.45		Au-148	0.76		4.	14,	ક્ક	304 B
	as 40% pø, tr ci		,			·				: -		Τ	
siliceous											\top		
-at 2505-4	nou contact @ 1	60° tra.											
_	DOLOMITE - 15				-								
	& (minor cpy)												
arey dolo.	· · · ·				-								
-24,25-25.14	1% scheelite + 1	sowellite		25.45	26.43		Au-149	0.98			.4	7	
-at 25.51 - 2.5	i cm bleb with sc	heelitespe	ck	s	-					· .			
-25.94-26.27-	for dark data u	14 An%			-								
_ por, minor py	/cpy/sph to 1/2% cm bleb warpu Bands with 1-2% inds are narrow.	combined			-					4			
-at 26.37-4	ón bleb warpu	per uning	rp	<u>.</u>	-								
-26,43-27.31-	Bands with 1-2%	f.a. py kg	h'	26,43	27.31 -		<u>Au-150</u>	0.88					·
_at 20° tca. Ba	inds are narrow.	Also py											
in more xcut	fractures, sometim	nes w. 9tz									·		
-27.31-30.78-01	<u>k grey a minor ligh</u>	+, f.g. deld											
banded. Occas	sional f.g. py alc	ng bands.									<u> </u>		
or filling xaut	ing fractures. Son	ne sections					<u> </u>				_	+	
are weakly t	inds are narrow. fractures, sometim (grey a minor ligh sional f.g. pix alc ing fractures. Son oxx with grey q	tz <u>filling</u>										-	
- Tractures.											+	_	

	groperty	JERS	FY	l							Wala B	_ Δ	497-8
LENG-WHIMSTER PRINTING LTD												4	
Started	Lot	 Дер.		Col. E	<u>=</u> ≏		Logged by	, l	Ŋ		heet Dot		1ar 31/9=
Completed	Bearing	Dip		Lgth.			Location	<u> </u>					<u>ur 21/7</u> -
Driller	Core Size	Remarks:										· _	
nt f da			1 7.		TAGE	CORE	SAMPLE	SAMP.	<u> </u>		SAY		
			Rly.	FROM	TO	RECOVY	No.	WIOTH	13.	2.~.	Ag	Au	
-30.78-31,73 - mottled		nded, light	İ—	30,78	31.73	<u> </u>	<u> Au-151</u>	0,95	 	1	<u> </u>	<u> </u>	
grey dolo with 2%	コント・コーフィー				<u> </u>	ļ	-	<u> </u>	<u> </u>		<u> </u>		
<u>Flebs</u> , alogg fract	res tin nous	<u>h bands</u>					-				<u> </u>		
	py, minar pr	sph,		31.73	32.80		Au-152	1.07		1.9	2.3	ļ	
tropl. Pinkish sk	arny bands'e	minor				<u> </u>	·						
pali green mica	present. Ban	ds are								 			
discontinuous 2	01/11		30°										
reat 32.80 - Contact	at 50° tra	•											
-32.80-33.99 SKA		light of		32.80	2299		Au-153	1.0					
dark green mottler		/Du to 2%	ร่า		22.11								
	Jules	14.000	<u></u>										<u> </u>
	gametwith	26				·							
	1												
band with scheel					[-+	—-†		[{	
	ict Zone , ve												
f.g., light coloured	, bandled, f	syritic											
<u>skarny amilite</u>			[{			{	
34.35-39.62 - ARGI	ILLITE - bra	rwn								[
_secondary biotite	+green chl												
mottled to band	led Truman	Member	60°										
-Some skarny hard	1 patches. Se	rpon			·							_	
slickensides on s	one fractur	es. F.a.			-								
diss punte (very	minor) in L	ishter											<u> </u>
Sections.		5	l						\neg				
-at 38,56- 3 cm	at3/cb/and	the voin											
					1								
-at 37.34- 1 cm	ntz/cb/ap	atit vein											
	~												
	· · · · · · · · · · · · · · · · · · ·		·•								-		
			··- ·				├── ─┤				—		

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		XXF			NALO	<u></u>	DIAMO		RIZ			<u>ba_b_</u>	<u>79</u>	
Property: Jersey	.	L	Hole	<u>No. L</u>	<u>Ju 97-1</u>		Logged by	Page	21	<u>of 6</u>				_
Started: 3 Feb 1997	Lat *	<u>6112N</u>	Dep *	7429E	Col. El.*	4145	Logged by	<u>r: EA</u>	L D	ATE:	13 Fe	b 97		
Completed: 7 Feb 1997	Beari	ng	-Dip	<u>90°</u>		ļ	Lgth. 85.	95m		Locat	ion: 4	200 D	odger	
Driller: Allen Potapoff	Core	Size:	B 	Remar	ks: *Min	ne Coords	s (Imperial	}						
Description	}	Bda	From	То	CoreRecov	Samo No	<u>Samp/wdth</u>	Pb%	Zn%	Au	Aα	Mo%	W%	
						*PUIR ISI				g/mt				-
Skarny			0	5.5										
limey, occasional brown mottles of garnet	0.58	<u> </u>			1	1		1		f	1	·		
diops-garnet green brown	0.76			1			· •						+	-
limey, occasional brown mottles of garnet	1.16				,					1	†	·		_
diops-garnet green brown	1.37							†		***	1			
vfg light green - grey siliceous	1.67									1	-	1	1	
vfg green-grown banded	2.21	40°						1		1	1	F		
vfg grey banded														-
occasional garnet band											1			_
3mm po/pyr band @ 3.87 50°														
3mm po/pyr band @ 4.97 25°								l						
cuts across bdg		45°												_
garnet 25mm, diops @ 5.51							-							
Limestone			5.51	12.3				·······			1	1		
mg blue grey banded, S fold 25mm across @ 6.0		60°	5.51	9.75				1			<u> </u>	1		
6.34, healed fracture //CA, rt side down 12mm					1					1		1	· · · · ·	•
bdd, skarny (diop-garn @6.92) (6.92-7.47)		50°						<u> </u>				[
7.5cm pyrrhotite section (~25%) -8.78 -Sample	э		8.62	9.52		LJH -1	0.9	0.02	0.06	0.01	0.3	-	-	
3 po bands 12mm, 25mm, 6mm				 								[
(15%/15/90) 9.33-9.52														
fine grained white dolo 9.75-10.36														
mg blue grey limestone 10.36-10.67	<u> </u>				ļ									
fg white dolo with brown garnet mottles 10.67-10.9	97		<u> </u>		<u> </u>					<u> </u>				
mg grey with blue bdg limestone 10.97-12.34		60°										}	1	

			T	l	1	I	T	r –	1	T	ſ	1	1	т -
Description		Bdg	From	То	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Ag	Mo%	W%	other
HOLE NO. LJu 97-1 PAGE 2 of 6	1	· · · · ·								n/mt	g/mt	<u>111×.14</u>	<u></u>	Antei
			1						·	9	9,	<u></u>		
Skarn			12.34	15.39								<u> </u>		
vfg buff with actinolite in highly contorted bands; limey	12.9		+										<u></u>	·
		1	+				•						·	
		1							+			ł		
			1								+			
Skarny Argillite	-		15 39	20.95						4				
grey skarn, brn arg bds Sample				17.22		LJH -2	1.83	-		0.02		· · · · · · · · · · · · · · · · · · ·		
occasional fine gr. pyr in grey skarn	16.5	45°	1		·					0.02				· ·
2mm qtz? vein with vfg pyr ~10-15° CA.	1	<u> </u>	1	<u> </u>		†		· ·	+		+	<u> </u>	<u> </u>	+
where vein cuts brn arg, is altered to grey healed	1		1	1			<u> </u>	† ~				+	l	+
vein-arg contacts	1		+	1			1		+			+		
			1		[+	1			ł		<u> </u>	· · · ·
		<u>├</u> ──	1			†			1				 	+
Limestone	+	1	20.95	21.7	1		+	†	1					
grey fg weakly bdd grey			1				· · · · · · · · · · · · · · · · · · ·							
					+	1		†		·	•			-
· · · · · · · · · · · · · · · · · · ·			1		·/····-	1			1					
Grey Siliceous Argillite	-		21.7	26.52								· • · · · · · · · · · · · · · · · · · ·		
banded grey and brown		55°				1								
grey areas are silicified brn arg												1		
mostly brn arg (80%) 25.14-25.45	-	· · · · · · · · · · · · · · · · · · ·		1		+							<u> </u>	+
grey limey with garnet 25.9-26.06	1	1		1	-	· [-					· · · · · · · · · · · · · · · · · · ·		·
grey silic with brn garnet 26.06-26.21			-	1	-	·	-					<u> </u>	·	
100% brn bdd arg 26.21-26.52	<u> </u>	60°		1										
	+			<u></u>								<u>}</u> ·		+
	1	<u> </u>		1	1	<u> </u>								
			1	1	· · · · · · · · · · · · · · · · · · ·			1			ł		<u> </u>	+
Skarny Limestone			26.52	27.19	· ··			1	+				<u> </u>	
mostly grey mg limestone		·		1		+							<u> </u>	
13mm diops @ arg contact		1		+	·		<u>+</u>	1					<u> </u>	+
blobs (13-20mm) brown garnet to 26.73				+		-	<u> </u>	<u> </u>	-	<u> </u>			<u> </u>	
actinolite/garnet/diops 27.09-27.19		<u> </u>	1		<u> </u>	· ·			+	-			<u> </u>	
		1			ł	+				·		<u> </u>		┥
			+		· •	+	+	1						
······································	+		1										····	
White Dolomite			27 10	29.18		·						<u> </u>		
mainly fg white sli efferv dolo vague bdg	1		1 41.19	43.10		+						<u> </u>		
green skarn and brown arg intermix to 27.43	· ·		+	+		+		ļ	-h			<u> </u>		
fine erratic grey-black limestone 28.57-28.95				+		• · · · · · · · · · · · · · · · · · · ·								l
L mo en alle grey-black inhestorie 20.07-20.95		L			I	L		I	L	1				1

Description	<u> Bdg</u>	From	Te	CoreRecov	Samp No,	Samp/wdth	Pb%				Mo%	<u>W%</u>	other
OLE NO. LJu 97-1 PAGE 3 of 6			Į					ļ	g/mt	g/mt			
					<u> </u>					_			
White Limestone		29,18	30.23		·				ļ		 		
nainly mg non-bdd white limestone									ļ	_	.		
			 	· · · · · · · · · · · · · · · · · · ·				<u> </u>		┨	·		_
			ļ	~~~					ļ	 			_
Skarny Limestone		20.23	31.03									ļ	
similar to 26.52-26.73		30.23	131.03		•								
6mm-25mm irregular bands brown garnet/vesuviante				·}	<u>} </u>	<u>_</u>				┼──~~	┨	<u>}</u>	
throughout		··						<u> </u>	+		<u> </u>		
occasional diopside 3mm - 6mm				+						<u>+</u>			
				-	<u></u>				<u> </u>		<u> </u>	{	
			· [- •			<u>+</u>	 			· •		<u></u> ·	+
		-	1	†						+		<u> </u>	-
					1	1	[1	— —	1			
Siliceous Argillite		31.03	35.43	-	- (·				<u> </u>			<u></u>	
grey silic alter'n within brown arg 50/50								†·		· • · · · · · · · · · · · · · · · · · ·	1		
~90% grey silcn 10% arg 33.68-34.74	45°		1	1				1	1	<u> </u>		† · ·	+
odg distinct in both silicfd and argilles area								1					
									1	1-			
Lamprophyre		35.43	41.14										
grey green mg with black hb? laths (<2%)			<u> </u>	<u> </u>									
25mm fg tongue of lamp fingers into arg.								<u> </u>	ļ				
upper contact ~ 40° CA						.		<u> </u>		<u> </u>		<u> </u>	
mottled skarny limestone 38.09-38.91					Į			Į	ļ	ļ			
(mgls with garnet/vesuviante and some diops)			_										
								ļ	L				
		~				+			·				
		<u> </u>				-l	<u> </u>		.				
Dolomite		41.14	44.5			- 	·			_	<u>-</u>		
	1.8 70°					<u> </u>				.		[_
grey with vague banding 42.21-42.97	43 50°		··		·	+	·						
	43 00"					- <u> </u>	}·	╋ <u>╴</u>	{	+	<u> </u>		· - · · · · ·
12mm lamp @ 43.28 @ 90° to bdg erratic clusters of hb? 43.25-44.8					+				1	·}			- · ·
erratic ciusters of hp? 43.20-44.0				+				┨───		┢━━━・	+	_	
					+	·							
·					1			1	1	\	1	1	1

					<u> </u>		1		T		<u> </u>	r	
Description	8dq	From	То	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Aq	<u>Mo%</u>	W%	other
HOLE NO. LJu 97-1 PAGE 4 of 6					<u></u>					g/mt		****	- <u>Striet</u>
				1				<u> </u>	×	<u> </u>			
Skarny Limestone		44.8	47.39		<u> </u>					1			
fg mottled grey brown								1	1			1	
clusters of hb? actin? becoming guite pronounced 45.11-47.24									1				1
Sample		45.26	47.39		LJH -3	7	-		0.01	-	-	-	-
						ļ							
Limestone		47.39	49.22						ļ				
mg grey weakly bdd limestone	25°		 	 -	 				 			 	
occasional blob of garnet/vesuviante		_		ļ	<u> </u>	ļ				<u> </u>	<u> </u>		
			ļ	<u> </u>	L	ļ							
		_			ļ	<u> </u> _			L		L		
					ļ		L	<u>.</u>	L				
				ļ			ļ				<u></u>		
Silicified Skern?		49.22	52.36	 	ļ	<u></u>	 		L		ļ	 	
vfg dense pale green. Very hard. Bdg vague.	40°		ł	ļ	·	ļ	·						
fine 3mm veinlets qtz ~90° to bdg					·	ļ	<u> </u>	<u> </u>					
mg white limestone with 12mm mottles of garnet 52.0 - 52.36	50°	_		[ļ		ļ		ļ	<u> </u>		
skarn/limestone contact sharp and healed	50°		ļ		<u> </u>			[ļ		
					.			·			↓		
· · · · · · · · · · · · · · · · · · ·						 	<u> </u>	+	·}			 	
Cilicitian Arabitta		50.26	58.24	-	+								
Silicified Argillite		02.30	38.24			<u> </u>			<u> </u>		<u> </u>		
mainly brown argillite (bdd) >50%			<u> </u>			+ -		. -				<u> </u>	<u></u> .
silic gey with brown arg (80+%) 53.34-54.56 green diops 55.59-55.65	_												<u> </u>
green brown diops/garnet 55.68-55.74												<u> </u>	
pyr in 3mm veinlet 0° CA 56.26-56.32						·	┨────			<u>}</u>	·		
pyr in 3mm veinlet //bdg_56.2, 56.38, 56.57, 56.62			+						Į				
25mm white qtz vein //bdg 55.87	<u> </u>				· ···								
numerous white boudinage qtz Sample		56 14	56.69		LJH-4	0.55					<u> </u>		
some with pyr, to 58.24 Sample			58.24		LJH-5	1.55			+				
Complete Com		100,00	100.27	<u> </u>		+	<u> </u>	+	<u></u> +-──	+		<u> </u>	
		-	1		+		1	+			+		~
			1		+	- [-	+			+		-
White Skarny mg Limestone (vague bdg)	35°	58 24	59.37			+			+	<u>+</u>			
mainly white mg limestone									·· • • • • • • • • • • • • • • • • • •	1	+	<u> </u>	+
13mm white qtz 58.8859.04			1		+	·	+		+	ł			-1
scattered garnet/vesuviante 59.1959.37			· {·····	+		<u>+</u>	+		╉-───	+			
			-†				··		+	-			

		·	<u> </u>			I		T		ſ	1	<u> </u>	- ~
Description	Bdg	From	To	CoroBagou	Remo No.	Samp/wdth	Ph%	7n%	Δ.,	100	<u>Mo%</u>	14102	
HOLE NO. LJu 97-1 PAGE 5 of 6		<u>– – – – – – – – – – – – – – – – – – – </u>	<u>µ×</u>	COLEVERDA	<u>1590018-1401</u>	Samp/wgth		Kal1.29	a/mt	g/mt	<u>10070</u>	<u> </u>	other
					<u> </u>			+	<u>Anur</u>	A.ur			
Brown Argillite		59,37	60.19	۹·				· · · · · · · · · · · · · · · · · · ·					
		1	<u> </u>		<u> </u>			<u>+</u> -	}	+	Ì	}	
mainly brown bdd arg	30°	1		· · · ·	1								
		1	[<u>† </u>			+
							t	1	{		1		-
Mottled dark grey and brown fg Dolo?		60.19	62.78						[
his may be a healed breccia (60.19-61.26) Sample		60.19	61.26		LJH-6	1.06	-	0.01	0.01	-	-	-	-
muddy shear @ 60.65 (.30mm lost)	20°												
mottled dk gy and it brn (leopard pattern) to 62.78								<u> </u>					
											<u> </u>	<u> </u>	
				L									
Brown Lamprophyre with White Pheno		62.78	63.62					ļ			[
upper contact irregular, ~75º					<u> </u>								
contains muscovite grains, occasional fg pyr			<u> </u>	ļ	<u> </u>			<u> </u>	ļ	<u> </u>			
lower contact irregular, ~50°		+	<u></u>		<u> </u>	L	ļ	<u> </u>	L	<u> </u>	ļ	L	
Sample		62.78	63.62		LJH-7	0.84	-		0.01				-
			┥───				 .				<u> -</u>		
			+					+			<u> </u>	·	
Skamy Applilia	_ <u> </u>	62.62	64.22		·]		<u> </u>	┣━━	┝	┿╌	Ì	<u> </u>	
Skamy Argillite grey green, brown bdd		03.02	04.22					·			<u> </u>		
grey green, prown bud	60°		<u> </u>		 	<u> </u>				<u> </u>	 	ł	
Sample		63.62	64.22	·}·	LJH-8	0.6		<u> </u>	0.00	+		╞	
dk green with white mottles qtz? 64.064.1	<u>_</u>	00.02	04.22	· [<u> </u>			0.02		-		
white mottles (3mm), have green halos					+	<u> </u>				 			
write moties (oning, have green helds			<u> </u>					╂			<u> </u>		
**************************************			+		<u> </u>						+		
			+	·	· 			+	··	+		f ·	
Lamprophyre		64 22	72.08	·{·		+	{ -	┼───	··· 				-+
mainly light-medium green with conspicuous laths of			1.2.00	·	<u> </u>			 		┾╴		·	
non-oriented hornblend. Occasional 3mm grain of ca	cite	+		 	·}	 	· · ·	† ——	<u> </u>		···- -	•	
buff serpentine (5cm) at upper contact			<u>↓</u>	·	†		1		<u>├</u> ────		t		
core broken 71.3277.11		+-	1		<u> </u>	 	1				<u></u> +	 	
······································		-	<u> </u>										
			<u> </u>	+·	+	· · · · · · · · · · · · · · · · · · ·	<u> </u>	†	+ ·				
Silicified Argillite		72.08	74.28	1		<u>├</u> ──		<u> </u>		 			• • • • •
grey brown bdd	60°	+	<u> </u>	<u> </u>	<u> </u>				<u> </u>		····		-1.

				1				1			1		
Description	Bdg	From	Τo	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%				<u>W%</u>	other
IOLE NO. LJu 97-1 PAGE 6 of 6					·				g/mt	g/mt			
			<u> </u>]	<u> </u>]	<u> </u>	.)	L	
Altered Lamprophyre		74.28	77.11										
alcy fg black with occasional calc bleb (3mm12mm)					· ····		<u> </u>						
mud, gouge @ 75.28 (0.15 core lost)										· · · · · · · · · · · · · · · · · · ·			
nud, gouge @ 75.89, 76.5, 76.87, 77.11			<u> </u>]					
									l	,			
		-						l	ļ				
Granite		77.11	85.95	L	····	<u> </u>		<u> </u>			<u> </u>		<u></u>
pougy contact @ 30°								ļ					
nainly cg leuco with qtz grains 6mm12mm				L		l	L	ļ	ļ	L			_
5% mafics													
mud 79.5579.61				<u> </u>	<u> </u>								
lamp. (lower contact 60°) 80.080.22													
lamp, black (upper contact 65°) 81.6882.14													
lower contact 50°									<u> </u>				
nore K-fields from 81.6885.95 than at start of inter	section.										1	1	
Mafics unaltered, (510%)								1		-			
													-
			Ţ								1	1	
			ļ				ļ		{				
E. O. H. 85.95													
			-					-				-	
<u></u>		-{					+				+		-{
	·····							•			-	• • •••••	
				1	~			-	+				
			+					+					
······································		{		+			· [· ·	+	-{		╉		
			+					+		+		+	
				+		+							
					·{				+		+	· {	_
	<u></u>									· • • • • • • • • • • • • • • • • • • •			
			+				·		-		<u> </u>	·	
				··			·						_
L			1		<u> </u>	.l	1		<u> </u>	1	1		

										<u>, a a a a</u>				
Property: Jersey			Hole	<u>No. L</u>	<u>Ju 97-2</u>			Pag	e 1	of 10)			
Started: 8 Feb 1997	Lat *	6110N	Dep *	7938E	Col. El.*	4157	Logged by	EA	L D	ATE:	- 11 Fe	b 97	• • - • • • • • • • • • • • • • • • • •	
Completed: 11 Feb 1997	Beari	ng	Jin	onv	1	1	II A+b 122	20	1	1 000	inne A	200 D	odger	XCE
Driller: Allen Potapoff	Core	Size: I	BQ	Remar	ks: Testir	ng Lower	Jersey Hor	izon	*Mine	Coor	ds (In	peria)	
		1						[
Occarintian		Dela	F	-										
Description		Bdg	Erom		<u>CoreRecov</u>	<u>Samp No,</u>	Samp/wdth	<u>PD%</u>	<u>zn‰</u>		Ag g/mt	<u>Mo%</u>	<u>₩%</u>	other
										g/mi	g/mt			
Fine Grained Granite			0	2.16			·							
no mafics										+				
scattered flecks MoS2 <0.2%	-	1	1	2.16		LJH-9	1.16		-	0.01	-	0.01		-
contact with argillite @ 30°	-		-											
				1		1								+
Siliceous Argillite			2.16	3.96				[[·
intrusive penetrated a fracture (6mm) for ~50mm,				1			·				1			
totally healed contact						1						····.		+ · ·
brown argillite with occasional blebs (13mm) qtz		80°							1.			<u> </u>		
and/or calcite				L										1
lighter colour, harder, more silic from 3.263.96						·								1
					· · ·									
	_	ļ				·								
Fine Grained Granite		1	3,96	7.31		<u> </u>					L			
more mafics than 216, ~2%		ļ	-				<u> </u>			<u> </u>				
tends to be pinker due to Kfeldspar							+						····	ļ
contact @ 3.96 70° CA contact @ 7.31 ?(core broken)								·						<u> </u>
scat flecks MoS2		+	3.96	5.64		LJH -10	4.60			0.04	ļ			+
gtz and fine xtln py in some fract. (to 6mm)			5.64			LJH -10 LJH-11	<u>1.68</u> 5.5	-	-	0.01	-			
	+		0.04	1.51			3,5		-	0.01		-	-	
	+	-	1			·				+				.
				1		+						 -		
Argillite (sliiceous)			7.31	12.03			+							+
mainly brown banded									1		· · · ·	1		
pale green @ contact with gran		70°								1	·		·	
occasional lighter coloured silic areas								T		T				1

Description	<u>Bdg</u>	From	<u>To</u>	CoreRecov	<u>Samp No,</u>	Samo/wdth	Pb%	<u>Zn%</u>	Au	Ag	<u>Mo%</u>	<u>W%</u>	other
HOLE NO. LJU 97-2 PAGE 2 of 10									g/mt	g/mt			
Fine Grained Granite		12.04	13.41				·				<u> </u>		
upper contact @ 60°			· · · · ·	·				†	·	···	· · · ·	···	
lower contact @ ~75° (not definite)		12.04	13.41		LJH-12	1.37		-	0.01	· · · · · · · · · · · · · · · · · · ·			
pale olive remnants of altered mafics, <5%	~					†				· · · · · · · · · · · · · · · · · · ·			
scat MoS2 flecks					·~~~		t		· · · · · · · · · · · · · · · · · · ·		· / , ,		
slickens on fract faces											· · · · · · · · · · · · · · · · · · ·		····
													-
Brown Sillceous Argillite		13.41	18.44							- • · / -			
occas 6mm calcite vein with chlor and vfg pyr			1	1	· /		1		· •	-	1		
25mm gtz @ 15.18 grades into arg.		-		·				1				<u> </u>	
no sharp contact (mostly 70°)		15.18	15,79		LJH-13	0.61	-	-		-	•	_	
3mm chlor and fg unidentified black mineral					<u> </u>					1			
15.5415.79 @ 10º CA	56 45°		-		1	†							
silic bdd grey brown with fine pyr	75°	16.38	16.91		LJH-14	0.53			0.03				
Quartz (similar to cross dyke setting?)		18.44	18.59		LJH-15	0,16	-	-	0.04	-	-		–
13mm area of chlor, pyr and white metallic					1		1	· · · ·		1	·	<u> </u>	-)
							1			1	1	1	
						1				-			
Fine Grained Granite		18.59	24.08									[
upper contact 40°						1							
lower contacat 70°						<u> </u>							
mostly leuco, with occas grey remnants of mafics,	<u></u>	18.44			LJH-16	0.61	-	-	0.02	-	-	-	-
occas bleb chlor		20.11	22.55		LJH-17	2.44	-	-	-	-	-	-	-
				ļ				ļ		ļ			
			-			<u> </u>							
Argillite	 	24.08	26		<u>+</u>								
mainly silicified brown					ļ	ļ	L	<u> </u>					
			ļ			<u> </u>				L			
grey silic ? arg 25.326						1							

Description	*******	<u>Bdg</u>	From	To	CoreRecov	Samp No.	Samp/wdth	Pb%				Mo%	<u>₩%</u>	other
HOLE NO. LJU 97-2 PAGE 3 of 10										g/mt	g/mt			
	*****				···· ·································		<u> </u>							
Quartz			26	26.06										
as above 18.4418.59				<u> </u>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~									
·	·			 	<u> </u>									-
blue-green stain next to Su's in fract sub-// to CA sampled			25.6	26,06		LJH-18	0.46			0.01				
				<u> </u>				 				 	<u> </u>	
	70.4		26,06	ļ										
mainly brown siliceous		 	<u> </u>	ļ										-
bdg mainly 7580°		75°				 		ļ	ļ					
grey brown leopard mottles 8890		<u> </u>	-					İ	<u> </u>				 	
irreg 2mm-3mm veinlets pyr/po (magnetic)	<u> </u>	<u> </u>	-	ļ		<u> </u>			<u> </u>	<u> </u>			ļ	
27.49, 27.89, 28.89, 38.58, 38.21, 39.	9,					<u> </u>						ļ	I	
40.41, 40.84, 40.99, 41.14								ļ	ļ		ļ	<u> </u>	<u> </u>	<u> </u>
S fold /S/ 100mm 28.65		ļ		ļ										
6mm qtz grains (mottling effect) 30.3530.69								ļ	┟┈┷╍┈		<u> </u>			
25mm qtz @ 30.69		ļ						ļ	┟~	 	<u> </u>			
grey green fg faintly bdd 27.6427.95		<u> </u>			<u> </u>					ļ	┦	<u> </u>	ļ	
grey green fg faintly bdd 30.931.33		<u> </u>			<u> </u>		+							<u> </u>
S fold * * 31.45		<u> </u>			·	┦────	_							
grey brown bdd (mainly brn 31,4534.74		∔		<u> </u>		<u> </u>		<u> </u>	<u> </u>					-
grey brown bdd (mainly gre 34.7436.57)		.			·				<u> </u>					
S fold 35.66					·			<u> </u>	┼───	<u> </u>			-	
core somewhat more broken 33.5338.40, to 1-5			-+		<u> </u>		+						<u> </u>	
cm segments breaking // to bddg/bdg					<u> </u>			┼───					<u>↓</u>	
slicken sided surface on some breaks // to bdg	L	┟				-	_		┨────	+				
core fracts along CA 37.49-38.1 mod broken core	9 	–−−	07.43	28.95	ļ	1 11 40	1.52	╂───						
Sampled		+			2.07 \ 2.1	LJH-19	1.52	┟╌╌╴	<u>↓</u>		-	-	<u>↓ -</u>	
Recovery 38.441.82 decreased bdg texture toward massive					1.46 \ 1.5					-{				_ <u>_</u>
	2 	-{			1.46 \ 1.5								ł	
fg dk grey, increased silic wispy horsetail stringers and fine blebs po/py		-+	30.27	31.19	1.40 1 1.5	-{·	_}	┼───						
with po/py concentrations 38.5538.71, 40.040.5	۱ ۵			+					+		•	•	┨───	+
Samples	Γ		29.56	30.78	1	LJH-20	1,22		0.01	0.03	-	<u> </u>		
41.8243.89 alt'd arg - mottled				39.01		LJH-21	0.61		-	0.05		+	+	+-
text, light grey - green blotchy	┼──∽	+		40,7		LJH-22	0.7		-	0.01		<u>+</u>	· {	
scratches in some sec'ns not others, weak	<u> </u>		48.7		1.83 \ 1.2			+	-+	1 <u></u> ,			+	
bonded silic ~70° to CA		700		-			****	-	•+	+	1	-	+	
few vf calcite stringers 10°, 45°, 90° to CA 12mm	<u> </u>	<u>† </u>	-	1	-			†	+	·				
43.8945.41 mottled dk grey and brown arg	†	1		+	·[1	1	1	+	1	+	+	+	
very minor py/po on fract surfs 80° to CA								• franzen	+	+	+	1	+	

Description	Bdg	From	То	<u>CoreRecov</u>	<u>Samp No.</u>	Samp/wdth	Pb%	<u>Zn%</u>	Ац		<u>Mo%</u>	<u>W%</u>	other
IOLE NO. LJu 97-2 PAGE 4 of 10									g/mt	g/mt			
													-
Argillite cont'd) mod silicified									L				
5.4145.72 sec'n with warpy qtz vnlts Sample		45.41	45.9		LJH-23	0.46		-	-	-	-	<u> </u>	-
naking ~50% of core, in arg, minor assoc po (<1%)													
15,4151,51 slightly mottled a ttop of secn grading													
o nearly massive, spotted texture-silicified		_			_								
carbonate veneers coating fract-surfs with minor blebs]							
assoc. py fracts 30,60° to CA]	
ned grey with minor brown patches		_							1	[1	
varpy qtz vnlt patchy, folds in/out of core 49.1349.59	_							[
- 1-2cm thick Sample	_	49.07	49.68		LJH-24	0.61	-	-	0.01	-	0.01	-	-
51.5164.46 increasing silic to slightly lighter colour		_	T		1			1					
ned grey to grey brwn on x-secn of core,				·····					<u> </u>			1	
o highly silic 57.9164.46					1							[_
/ery minor po/py blebs <<1%			-			1							
57.858.03 warpy qtz vnlt folds in/out				1						1			
-2-3cm thick through CA, few specks py													
Samples		55.47	56.69		LJH-25	0.91	-	-	0.02	-		-	-
54,4671,04 fault zone numerous		56,69	57.6	1	LJH-26	1.19	-	-	-	-	-	-	-
slickenside surfs, brittle fractured core to 67.36		57.6			LJH-27	0.67	-	-	-			-	-
pieces <1-4cm, few longer in siliceous qtz-mica arg	_						1				1		
Recovery		60.35	61.89	1.4 \ 1.52			1		1				
chloritic masses along some slicken surfs 64	.9	61.89	63.39	1.43 \ 1.5		1							
fracts sub// to CA and vary 20° - 90°		63.39	64.92	1.5 \ 1.52									
67.0570.4 increased fracturing + clay content				2.212.44		1							
(mud) - 50% rec 67,3670.4 due to mud	-			1.52 \ 3.0		1							1
individual fragments brittle fractured				0.3\0.3				1		-			
				0.09 \ 0.3						+			~
	_[2.38 \ 2.74				1					-
		73.76		3.05 \ 3.0									
			-		Τ								
Altered ? Dolomite/Arg		70.4	77.32							1		1	-
otz-mica rounded masses to fine planar laminations			1	- [· /		-	-		
less finely laminated than Arg sec'n increased								1		1	1	1	1-
content of rounded masses (prior brxx or boudinage)			1		1	1			-				
rehealed frags? Samples	1	71.01	72.26		LJH-28	1.25	-	-	-	-	-	-	-
appearance similar to LS or Dolo text - no lime		73.76	3 75.52	2	LJH-29	1.77		-	-	-	-	-	-
minor qtz stringer - vnits, warpy 1-2cm		75.52			LJH-30	1.28		_	0.01	_	_	-	
through CA 71.6572.08				-			1						1
some brown scratching micaceous appearing			1										~

			<u> </u>			1	Г. ⁻		1	1	[<u> </u>	
Description	Bdg	<u> From</u>	To	CoreRecov	Samp No.	Samp/wdth	Pb%	<u>Zn%</u>	Au	Ag	<u>Mo%</u>	<u>₩%</u>	other
HOLE NO, LJu 97-2 PAGE 5 of 10					ļ		↓		g/mt	g/mt			
Altered? Dolomite/Arg cont'd)								L		<u> </u>	<u> </u>	L	
segments - possible sphal?, minor			ļ		<u> </u>		<u> </u>	<u> </u>	.			I	
70.4–70.71 - angular fragments - brxx, 0.2–2cm dia	<u>m,</u>		_			_							
prwn-green fg in It grey matrix - slickens on fracts			<u> </u>				ļ	<u> </u>	<u> </u>	ļ	l		
ninor fg diss patches po			<u> </u>		<u> </u>								- <u> </u>
iv lamp - spotty patches yellow thoughout - WO3? or carb			L		L				.		, ,		
			1		L	<u> </u>				<u> </u>		L	
•													
Quartzite (sil, arg?)	75°	77.32	78,51									1	
somewhat gradational contact ~75° to CA, patchy													
Recovery				0.18\0.3			T						
with increased silic content (alteration?)				.33 \ .91					- <u> </u>	<u> </u>			
t grey, hard brittle, massive fg to sugary				.94 \ 1.22	-			·[T	T	_
text. umnor mica content, vf laminated in places	i		1				1			1	1		
minor grey translucent qtz stringers 60-70° to CA			1					1	-		1		
					- <u> </u>						1	1	-
			1				+					+	
				†	[1					1	1	
Altered ? Dolomite		78.51	79.09		-[1	
banded grey translucent qtz and dk grey	709						+				<u> </u>	t	-
to gr-green micaceous, mottled, uneven	<u> `</u>											,	
qtz >mica component				<u>+</u>			1				-		_
2 gtz vnlts ? 1-2cm, 70° to CA								1					
brittle fractured, hariline wispy				┨─────			· /						
uv - yellow reflection ? W, Mo or carb ?	<u> </u>			- <u></u> ·		-+	-		··	• -	╷╂┈╾╼╌╼	·	
uv - yellow reliection i vv, wo or carb i							-	+				· 	
						-+				-+			
				 	-	· · · ·	-					·+	
Quartita		70 00	80,89				•						
Quartzite			00.09	<u>'</u>								+	
appart cont ~60° to CA, qtz rich along contact, broken	<u> </u>								╾┟╾╍╌				
massive, to finely laminated, gritty, micaceous				+		-+	+					+	
brittle, It grey to weak green-grey	╾╍╾╾╍┝╍╍╍											· 	
broken core <1-5cm, minor slickenside, variable				- -								+	
fracts orient.													
py vaneers on some fract surfs - minor								-┟				1	
				+							<u> </u>	<u> </u>	
							<u> </u>	<u> </u>				<u> </u>	
									L				

Description	Bdg	From	Το	CoreRecov	Samp No.	Samp/wdth	Pb%	<u>Zn%</u>	<u>Au</u>	Ag	Mo%	W%	other
IOLE NO. LJu 97-2 PAGE 6 of 10				* <u>\$\$</u> ;*****					g/mt	g/mt			1
Altered ? Dolomite?		80.89	88.17										
contact broken, qtz rich (semi-translucent, vnlt?)	50°		84.12										
weak banded to round mottled qtz-mica													
augens, It to med grey to gr-brown			82.84										
high silica, dk grey pervasive			81.68							1			L
to white veming		82.39	82.84	<u></u>	Ì			<u> </u>	ļ		_		_
mottle/bands to 1-2cm width					ļ				<u> </u>				_
slickens, few, on 45° fracts Samples			81.99		LJH-31	1.21	-	-	-			-	
			83.51		LJH-32	1.52	-	<u> -</u>		<u> </u>	-	-	
highly siliceous-pervasive and poddy 84.6486.41		84.73	86.25		LJH-33	1.52			0.01	-	-	-	
uv lamp - much reflect short wave - none long wave					I		ļ						+
likely carbonate (#W or Mo)							·						
dull yellowish reflection @ 86.19 - single 2cm white warpy qtz vnlt					·				1	<u> </u>	<u> </u>	l	
45° to CA					 	·	<u> </u>		<u> </u>	<u> </u>		<u> </u>	
Recovery		85.03	96.31	100%	•		-		<u> </u>				
86.4188.17 poddy, mottled, warpy qtz mica							_						
			-										
			··			_			_				
		_			_			₋	·				_
Argillite		88.17	88.69		.	-				┥┈╌		- 	
fg finely banded black to brownish	25°			+				+					
mica rich, contact ~35º to CA	30°												
few elongate blebs py, <1%		_	1										
			~		·	_	+						
										+		-{	
			92.17	,									+
Altered Dolomite?		80.65	9 92.17			+							
same as previous Dol, predominantly mottled						+	+				···		
warpy texture; qtz-mica, 10-50%		·								-	_		_
<pre>qtz pods <1-2cm width, argillaceous in places (fine laminated mica rich)</pre>			+		-		+						
			7 92.17	7	LJH-34	1.37			0.04	1 _	- <u> </u>		
minor elongated blebs py Samples		30.1	JZ. 11		LJH-35	1.52				· -		+	
Mask Skarp Dolomita		92 13	7 94.36	<u></u>		1.02	·		+				
Weak Skarn - Dolomite mottled green-grey, light to med,		<u>32.11</u>				-+	-		-				
elongate rolunded <1-1cm wide grey	_	_ <u> </u>		·†·		1		+	-+	+		- <u> </u>	-+
semi-translucent qtz patches in grey-greenish			-								-		+
(epidote-chl-seric) masses (fg), fairly hard						-		1	+	-	1		
slight upgrade in alt'n of Dolo?		•	-4			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				-†			-

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						1					1		I —
Description	Bdg	From	Ta	6B	C	Samp/wdth	Ph%	7.0%	Δ.,	Aa	Mo%	M/9/	other
HOLE NO. LJu 97-2 PAGE 7 of 10				CoreRecov	<u>Samp No.</u>	Samp/worn	1 12/10	<u>~11/0</u>		g/mt		•• /•	omer
Weak Skarn-Dolomitic cont'd)									9/111	Aunt	<u> </u>	 	+
epidote-chl-seric) masses (fg), fairly hard											<u></u> ·		
slight upgrade in alt'n of Dolo?											 		
changes over short 0.25-0.5cm @ upper contact											·		
gradational change over 30.5cm @ lover contact			+				+						
few qtz vnlts, 1-2cm warpy, 30 - 45° to CA	•					<u>+</u>							+
					+		+	<u>+</u>				· · · · · · · · · · · · · · · · · · ·	
				+							1		-
Skarny Dolomite		94 36	98.08	<u> </u>					†				-
wk mottled banding, qtz-mica	_^		+	+		-+							
patchy grades to skarny, same as 92.1794.36			+		1				1		1		
towards next sec'n			1		1	1			1		1		+
grey-green chloritic, poddy 95.1896.0							+	<u>+</u>	··		+		
several slicken fract serfs 75° to CA			+							+	·		
gtz white veins 96.8697.23, 97.29-97.5				╀┉┉┈┉	-					1			
minor py with qtz, slight vuggy with x-tal		1							1				+
gtz lining, contacts 75°-80° Sample		96 77	97.53		LJH-36	0.76	h		0.05	0.3			~+
minor warpy 1cm qtz stringers, esp in chloritic secn			107.00	·[+		10.00				
minor assoc py				+			<u> </u>					<u> </u>	
Increased silica to next unit, sharp contact 80° to CA @ 98.08					+		┢────		+		<u> </u>	<u>h-</u>	+
increased billed to next that, shalp contact to 10 04 to 50.00				<u> </u>			·						
		-†		-			<u> </u>		1				+
Quartzite		98.08	99.66				+				<u> </u>		
med grey, weak bdd, pss high silic		00.00	00.00	1									+
alt'n of previous unit, 1-3mm bands mica - minor				·				┟┈┈╌	+				~
grey semi-translucent qtz REC's		97 53	99 97	2.37\2.43				·	-{	-			~
gtz vein 98.999.5 white small elongate xtal					•		┟╌╍╸	+	┥╌╌╴	┼┈╍		+	~
vugs (.03cmx2cm), py pods adjacent to micaceous				<u> </u>				·	· 		+		
chl. inclusions, increase py on fracts in qtz toward			-		1								
lower ontact -sharp upper cntc 45°, broken irreg lower								1		-	1	1	_
Sample		98 75	99,66		LJH-37	0.91		-	0.04		-	<u> </u>	+
Recovery			102.1										~
			105				+			1		1	
							+~	+	+	<u>+</u>		<u> </u>	- <u> </u>
Weak Skarn		99.66	103.2					<u>+</u>			<u> </u>		
same as 92.1793.26, grey-green-brown													1
patchy, qtz-rich mottled, some wavy bdg		_	<u>†</u>		+		+	1		1	1	1	
possible garnets (fg) near 102.1 (brown patches)					-			· [·			

Description	Bdq	From	То	CaraBasar	Comp Ma	Samp/wdth	Ph%	7.0%	Δ	0	Mo%	W%	other
HOLE NO. LJU 97-2 PAGE 8 of 10			<u></u>	COLOUGI	<u>Saub vo'</u>	SauthMarti	<u>1. 1. 79</u>	<u>Fall.79</u>		g/mt			- homer
Weak Skarn cont'd)	_	-					+	+	<u>a</u>		1	1	
rends toward qtz-rich bdd - It grey to whitish					, , , - , - , - , -						1	1	
atz pods 102.86103.02	~ - - --							<u>+</u>					
by smears and stal growths on fract surfs, 0.6-0.9m				· · · · · · · · · · · · · · · · · · ·	_	••	<u>+</u>					1	1
slickens - vary orientation, chloritic-talcy					<u> </u>			1					+
esp near 102.71, with assoc. py			 		{					1		- <u> </u>	~+
Samples		99 66	100.8		LJH-38	1.22	- 1	-	0.03	-		-	
			103.2	·	LJH-39	1.07		+		` <u> </u>	· · _	1_	
			100.2	<u>-</u>		1.01			╉╼╍╼∼			1	
							<u> </u>			+			
Ouertrite		102.0	103.5				<u> </u>						
Quartzite		103.2	103.5		┼───		+	·	·	┢┈┯╸			
grey semi-translucent qtz, few 1-5mm mica bands			├──	.	┟┈┈╴╴	+	- <u> </u>						
minor py on fract surfs 45° to CA			<u> </u>			+	- P					┥───	
somewhat gradational to next unit			ł. <u></u>										
							╂			+			
				-	<u> </u>			+					
Maali Skarn Altared Delemite2		102 5	106.6		╂			- <i>-</i> -				·	
Weak Skarn - Altered Dolomite?		103.5	100.0	<u> </u>		- <u> </u>	+					╶┠╌┈─┈	
patchy, some similar to 99.66100.8			┢				·			+			
fairly soft scratching, chloritic, micaceous				+									
mollied to v weakly bdd, harder silic patches and		_	-		+	- <u> </u>	+						
soft mica-chl bds-patches			+			+							
irregular, brown-green tinged greys grad change		_			<u> </u>					···			
		_	+					•					
		_	+							-			
Alt'd Dolomite (probably not, Mg Jow @, 8%)		106 6	111.3			+	+	+					
wk bdd to mottled med to dark grey	40°	0.0	111.3				+		+				
	500								┽~			_	
minor py smears on fract surfs			+			_						+	
few elongat blebs po 107.9108.5 up to 1% po locally (15cm seen)	·····					+		+	+				
strong dolomitic appearance 110.33-110.64			+	-{	+		~						
finely laminated and coarser, dk green mica, bdd			-	+	-		+				_		
fine brwnish bds (sphal?) 110.33–110.61			+		+		~}~~~~					~	
one gtz vnit 2-3cm wide at 111.15						+	-	-				+	
chtct sharp to gran 45° to CA Samples		107 9	108.9	<u>.</u>	LJH-40	1.22	<u></u>	<u> </u>	0.0	╷┥╌╌╴			
			1111.3		LJH-41	0.91			-1				
						······································		-+	0.0	<u></u>			
h		<u></u>	113.1	+	LJH-42	1.83	<u> </u>		10.0	시			-

intian	Bdq	From	To	C	Comp No.	Samp/wdth	Ph%	Zn%	Δ11	An	Mo%	W%	other
Description IOLE NO, LJu 97-2 PAGE 9 of 10	<u>puq</u>			ColeKecov	<u>samp No.</u>	Samp/wgtn			a/mt	g/mt	110 10	<u> </u>	- Miliet
IULE NU, LUI 97-2 FAGE 9 01 10								┟╌╶┯━╍╸	9	1			
Granite		111.3	122.1										
grey to white, equigran, massive													
-3mmm x-tals, 20% qtz; 75% plg/kspar/ ~5% mafics - bio				1									
ery weak prop alt'n -chl-seric-carb			1			1							
ery minor fract related py					1							İ	
				1									_
		_											
amprophyre		122.1	122.9										
upper contact 35° CA													
green compact bio-garnet-olivine, weak serp'd													_
chill margin lower cntct 35°													
								ļ					
Granite - same		122.9	123.4]								
slightly coarser, more pinkish (kspar)													
									_				_
Lamprophyre		123.4	126.1										
chilled upper cntct	35°												
more highly serp'd through middle 5-8cm									_				
lower cntct slight broken offset, ~ 30°	_								-	_			
												-	
Granite - similar to above granites		126.1	127.2	2									
							1	_					
Lamprophyre		127.2	2 127.9)				_					
contacts broken - chilled upper													_
sharp irreg cntct - brxx						1					_		
										_			
Granite		127.9	9 133.9)			1						
same, wk prop (green mafics)													_
py on fract surfs - very few; few diss py blebs													
esp near 129.33													
									1	1		i	

Description IOLE NO, LJu 97-2 PAGE 10 of 10	<u>Bdg</u>	From	To	CoreRecov	<u>Samp No.</u>	Samp/wdth	<u>Рb%</u>	Zn%	<u>Au</u> g/mt	Ag g/mt	<u>Mo%</u>	<u>₩%</u>	other
			<u> </u>			 				+		<u> </u>	
mail Lamprophyre dykelet		129.9	130.1		<u> </u>						}	}	
		120.0	100.1					·					
ranite/lamp secn hard competent rock, few								· · · · · ·					
racts, rec's 100%	·		+		<u> </u>	ļ	 	+	<u> </u>		ļ		
····		 			<u> </u>						<u> </u>		
	┠─┈└──┤────		-				 	+	-				+
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E. O. H. 133.80			_										
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	+					-					-		
	+				_		-					+	+
										1			

Property: Jersey					Ju 97-3					of 1			<u> </u>	
	11				Col. El.	1210	Logged by					201	L Sob 07	
Started: 17 Feb 1997						4240	Logged by	. F. O	lunen	looot	DATE	<u>. 20 r</u>	nop are	
Completed: Feb 1997		ng	<u> qiu</u>	90-	les thling (l Zaarda /I		<u>.4011</u>	ļ		y A Zo			
Driller: Pete and Allen Potapoff		Size: E	NU I	rtemar	ks: *Mine (Tipenal)			Jeise			151	
	+	<u> </u>		· · · · · · · · · · · · · · · · · · ·										
					1							1		1
Description		Bda	From	То	CoreRecov	Samp No	Samp/wdth	Pb%	Zn%	Au	Ασ	Mo%	W%	other
HOLE NO. LJu 97-3 PAGE 1 of 13					<u>uoitiituot</u>	Pointe iner		-		a/mt	g/mt			
CASING							· • • • • • • • • • • • • • • • • • • •			3	3		+	+
ROAD SURFACING		┼──	0	1,52					<u> </u>					- <u> </u>
		+	<u>-</u>			İ	1							
		-				·		{		•	<u> </u>		1	
		1				<u> </u>	+	<u> </u>		<u> </u>	1	<u> </u>	1	
Massive Pyrite		1	1.52	3.5	·		· · · · · · · ·	<u> </u>	-			<u> </u>	+	
minor visible 1-2mm wide bands/streaks sphal		1	1.02	<u> </u>		<u> </u>				1	1	<u> </u>	1	
I ga, brwn sphal				···-									+	
15cm dolomite secn 2.893.05 with py and		-												
banded re-brwn sphal	-	55°	·	·										Cd
Sample		-1	1.52	2.59	-	LJH-43	1.07	0.1	4.7	0.1	< 0.3	-		0.01
	1		2,59	3.5		LJH-44	0.91	1.3		0.12		-	-	0,01
		-4	1										-	
	1	-					-				Ì	1		1
Banded Dolomite-Sulphides			2.59	3.5					1	1				· • · · · · · · · · · · · · · · · · · ·
~50% py 50% Limey Dolomite (wk fizz)					· • · · · · · · · · · · · · · · · · · ·				1					
py bands <13cm wide, somewhat pddy shapes		55°	1	1										
sphal-fine bnds and blebs to ~ <2% ?					1							Î	1	
v. minor galene, indiv grains								1	1			1	1	Cd
Sample			3.5	4.72		LJH-45	1.22	1.5	5.7	0.09	9.2	-	_	0.02
		-												
			1									1		
an an an an an an an an an an an an an a										ſ				
Dolomite			4.72	9.45				1	1	T	1			
banded white-brwn-grey, weak lime in places	4.87	' 35°	-		1									
massive white 6.587.01 Recovery			3.5	14.02 26	100%	6								
minor py +/- sphal bands 7.628.23		55°	16	26										
very minor py vaneers on fracts // to banding												<u> </u>		
Samples			4.72			LJH-46	1.68	0.03	0.1	-	-	-	-	-
			6.4	7.62		LJH-47	1.22	-	0.1	-	-	-	-	-
			7.62			LJH-48	0.61	0.05	0.7	0.01	3.4		-	0.01
skarny towards next unit,			8.23			LJH-49	1.22	-	0.3	3 0.01	0.3	-	-	-
gradational over 30cm 9.149.45			1			··· [·····							T	- [

DLE NO. LJu 97-3 PAGE 2 of 13	Bdg	From	To	CoreReçov	Samp No.	Samp/wdth	Pb%				Mo%	<u>₩%</u>	<u>other</u>
		_	ļ						g/mt	g/mt	<u> </u>		
own Argillite		0.45	10.64	<u> </u>							r		
e banded - laminated	55°	9.40	10.04	-		+	ł						
od to strong silic, towards skarny in patches								<u> </u>		+	ł		
wn, trending to grey-brwn to lower secn		···									• • • • • • • • • • • • • • • • • • • •		
e 1-2mm bdd po throughout					<u> </u>	•••••••••••••••••••••••••••••••••••••••							
-5%?) Sample		9.45	10.64		LJH-50	1.19	-	0.1	-	<u> </u>	1_	-	
owy outpic	•••····		10.04			1.10		V. 1				-	
karn		10.64	12.65			-							
ends from dk green with minor brown mottled			12.00							+			
It grey to white and brwn patches 11.8912.5													
k to mod skarn											1		
ney in secns, = skarned limey dolo.													
arnet-actinolite? brwn-green patches							ļ					· · · ·	
0.5cm patches, monor conc. on fract surfs <<1%													
lamped, louresce near 11.23 monor Wo4?													
ontact/bdg sharp at 45° to CA to arg													
Sample		10.64	11.58		LJH-51	0.94	-	-	0.02			0.01	
				`·`·					<u> </u>				
rown Argillite	45°	12.65	13.78										
laminated, sech in x-sech @ 60° to CA (bdg?) 12.65		12.00	10.70	-									
irly hard, silic, brwn and med grey homogenous					· · · · · · · · · · · · · · · · · · ·				-				
he bands po +/- py to 2 or 3% tot. throughout								-			1		-
Sample		12 65	13,78	··	LJH-52	1.25		01	0.01	0.3	-	<u> </u>	-
tct broken, ~45° to CA			10,70			1.20	· ·	1					
		· •									<u> </u>		
imey Dolomite		13,78	14.96	5									
wn and white bdd at top of secn to white-grey	45°												
assive with minor green thin bands	50°												
eak fizz to HCi Sample		13.78	3 14.32	2	LJH-53	0.55	0.01	2	0.01	1	-	-	0,0
3.7814.32 -bands py-sphal up to 0.5cm wide, total			-				_				1		
3 ar 4% rock				_ 						1	1		
				_									

Description	Bdg	From	То	CoreRecov	Samp No.	Samp/wdth	Pb%	<u>Zn%</u>			<u>Mo%</u>	<u>W%</u>	other
OLE NO. LJU 97-3 PAGE 3 of 13										g/mt			
			· [· · - · - · ·						<u> </u>		<u> </u>		
Brown Argillite		14 96	15.66			······································		+			· / ····	·	
inely laminated brwn and grey, bdd 60° to CA		14.30	10.00					+		<u> </u>			_
ine po bdg throughout, minor py				·			<u> </u>						_
Sample		14 96	15.66		LJH-54	0.7	-	0.07	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
	·	114.00	10.00					10.01			<u>-</u>		
Skarn		15.66	16.12				<u> </u>						
green-brwn-grey patchy (garnet pyrox)													
minor limey remnants													
nard alt'n, silica, where skarned													
minor specks scheel, in skarn sec'ns													
sharp change to Arg @ 55° to CA	55°									1			
Sample		15.66	16.58		LJH-55	0.91	-	-	_	-	-	-	-
Argillite		16 12	16.58							·			-
prwn-grey fine laminated ~ 60° to CA		-	10.00	1			<u> </u>					1	
Tine laminate po +/- py to 2-3%		-				<u>+</u> -			· · · · · · · · · · · · · · · · · · ·		-	1	
brwn micaceous x-secn -phlogo?			+										
hard siliceous matrix -silicified													
uneven lower contact	• •••••		1					-		1	┼──	1	
	·					1		1			· [-
······································			_				· 						
		-			···		<u> </u>			-		*=	~
Skarn		16 58	21.33	-		+	*	+	- <u> </u>	1			
patchy green-brwn-grey					·	·							
weak bdg -lime sec'ns to 3-4cm wide, bdd @ 45-50° to CA		_		1			+	<u>+</u>					
coarse xtalline lime segment		17.04	17.28			+		~					
few specks Mo near upper cntct over 30cm				· · ·····	<u> </u>			-					-
Sample		16.58	17.07		LJH-56	0,49	-	-	-	-	0.01		
few specds flouresce (W) intermittent			1			0, 10	+	·		1	0.01	+	~
dk brwn micaceous patches, to black			-	· • • • • • • • • • • • • • • • • • • •				+		+	-		
garnet patches - fg				· / · · ·				1		+			
few indiv. grains py, scattered	[1	1				-		-	1			_
gradational increase silica pervasive over 5-7cm to next sec'n					· • · · · · · · · · · · · · · · · · · ·		1	<u>+</u>					
Same and the set of th		-1	1				+	-		1		·	
	*···		+	1		+	•		+	1	+		
				·· [1		1			+		-	

Description	Bdg	From	То	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Aα	Mo%	W%	other
HOLE NO. LJU 97-3 PAGE 4 of 13						Sattip/ from	<u> </u>		g/mt		11.Y.1X		Quiet
									3	9			1
			1	-									1
Silicified Argillite		21.33	21.97			+							-
apparent result of total silicification of dolo-arg					+		†						·
dense-grey semi-translucent to brwn mica bdd over bottom 35cm							+		1			[·+·
(residual brwn arg?)							+	* *****	1				+
minor scattered patchy py-po, <\- 1%							-					1	-
7cm transitional to next unit		-							·	· · · · · · · · · · · · · · · · · · ·		1	+
			1										+
			1	1		1						[+
Skarn		21.97	27.43	1				+	1			<u> </u>	+
coarse bdg limey, argillaceous, dolomitic		-	1	<u> </u>	+	1				1		1	+
15cm band coarse x-talline limey at top of sec'n						·						<u> </u>	+
mixed dolomitic-arg to 21.67			1			·	+		1				
limey dolomitic to 26,73			1					-		1			
slight argillaceous to 27,43												·	-
silica rich vf bdd to patchy orange brwn-green-grey						·		1	1				
typical skarn						··		+	1				
silica flooded (qtzitic) 22.25-23.1								1	1				
fine po in argillaceous sec'ns +/- py					· [1		-					
CA, minor po blebs 22.2523.1						-f						·	+
Samples		21.97	23.16		LJH-57	1,19	-	-	0.01	-	-		-
			25.3		LJH-58	2.13		-	-	-	0.01	0.02	1_
actinolite patches to 23.53		26.21	27.43	·	LJH-59	1.22			0.01	0.5		0.09	_
patchy brwn garnets with minor coarser		-		· · · ·							1		+
individual grains to 25.36		-				1		-			1		1
2cm D concentration po @ 24.93			-		<u></u>								+
masses po (70-80%) 26.39-26.61							· · · · · · · · · · · · · · · · · · ·					*****	1
minor thin bds po +/- py to 27.43		· · · ·											+
								+	1				-
											1		+
Brown Argillite		27.43	54.89				1	†					1
silicified micaceous fine bdd to slight mottled			1			<u> </u>	1	1	<u> </u>		1	1	+
elongate rounded patches dk brwn-brwn-grey,									1	1		1	1
slight skarny apperance where patchy, possible								1		1	1		
garnet (micro) -in mica layers	60°	- 1	1		<u> </u>	1	1				· [+
line po-py banding and lesser pods 31.0933.22	65°		` `··· _ ··				1				+		+
Ihroughout, 2-5% of rock, predom py to 33.83	40°					1	· · · · · · · · · · · · · · · · · · ·	1				f	+
grades to po predom 36.937.34 silica rich (qtzite) band,	50°				-	<u>+</u>	1		-	· ···	· †		

Description		Bdq	From	То	ComPanar	Come Mc	Samp/wdth	Ph%	7 n%	Δ	An	Mo%	M%	ath
HOLE NO. LJu 97-3 PAGE 5 of 13		puy		10	CoreRecov	Samp No.	Samp/woth	<u>FU%</u>	<u> </u>		g/mt		<u>VV 70</u>	<u>other</u>
(Brown Argillite, cont'd)									<u> </u>	grat	<u> Yuur</u>			
grey semi translucent Samples	<u> </u>		28.65	30.17		LJH-60	1.52			0.02		-		<u> </u>
				36.88		LJH-61	3.05	-	-	0.02	-	<u> </u>		+
thin patches py on fract surfs			100,00	00.00			0,00			0.01				
few serp-talc slickensided fract surfs		<u>†</u>												
weak skarny to	39.5		- <u> </u>	<u>}</u> ────										<u> </u>
silica flooded to	39.9												· · · · · · · · · · · · · · · · · · ·	
silica rich 41.2741.6 -with py stringer through	00.0				<u> </u>									<u> </u>
core 5-10° to CA @	41.9		_		<u> </u>									<u> </u>
2-3cm w qtz vnlt, warpy 45° to CA, minor assoc. py		<u> </u>			1									<u> </u>
increased po fine bds and patches 42.743.13,			-							1	<u> </u>			\vdash
to ~5% minor py Sample			41.63	43.16	·	LJH-62	1.52	-	-	-	-	-		-
white qtz vein 43.8944.19, minor pockets po and		· · · · · · · · · · · · · · · · · · ·			-			<u> </u>	<u>+</u>					<u> </u>
lesser blebs py,			43.89	44.19		LJH-63	0.3	-	-	0.01	-	-	-	- 1
contacts slight warpy 50° to CA												1		
silica rích 45.5146.39						·		-	1					
48.12-49.0 4cm qtz vnlt @	48.3			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · ····			-	1			\mathbf{t}
py in fracts and wk bdd, 2-3% Sample			47.76	49.22		LJH-64	1.46	-	-	0.02	-	-		-
		1												
** Box 7 - 147,2170,3 -nf					-			t		1				
Box 8 - 170.3193.6 -few specks in skarn a	g				· • • • • • • • • • • • • • • • • • • •									†
Box 9 - 193.6217.4 -nf			-											
	40.4							ļ	 					
15cm skarny @	49.1			 										.
patches grey silica rich silicified 49.3750.84	50.4							+			-			
3-4cm irreg warpy white qtz @	50.4						·			·	-			┨────
mottled rounded rehealed brxx @ brwn bdd 50.8452.21	50.5	50°							-					+
siliceous, minor small brwn skarny spots 52.215321		60°	· · ·			+				· • • • • • • • • • • • • • • • • • • •		-		
flourece -minor spots Ca/Mo/Wo3 @	52.7					•	-				+	+		
Sample	52.1	·	52.06	53.03		LJH-65	0.97			0.11			0.02	
		-	102.00	03.03	<u> </u>	CJFI-00	0.97	<u> </u>				-	0.02	<u> </u>
						+					+			+
			-	1										+
Weak Skarny Dolomite	<u> </u>		54 80	58.37										
gradational over 12-30cm from siliceous arg	<u> </u>		34.09	10.01					-	+	+	+		·
lighter coloured, slight softer than arg					-			+	╉───	+	+			
mottled to weak coarse bdd It green-grey and tan		-{												+
			-								+	-		
gradational to next unit increased silica & mica brwn_patches				•					-					

Description	- L C	E-c	-				DL A						
HOLE NO, LJU 97-3 PAGE 6 of 13	Bdg	From	10	<u>CoreRecov</u>	Samp No.	Samp/wdth	Pb%	<u>2n%</u>			<u>Mo%</u>	<u>₩%</u>	other
				· ·			ļ		g/mt	g/mt	<u> </u>		
weak skarny dolomite, cont'd)					ł						<u> </u>		
00 +/- py increased wispy stringers and blotchy													
diss 3-5% 57.9158.37		1		• · · · · · · · · · · · · · · · · · · ·									
slickensided surfs common on fract surfs // to bdg	·· ··	-	-								·		
and lesser x-cutting, (many slips apparent along	·-··-								· · · · · · · · · · · · · · · · · · ·		ł		+
odg plane) Sample		57 73	58.37		LJH-66	0,64	<u> </u>		<u> </u>				+
gradational to arg		101.10	00.07			0.04					<u> </u>		
						·}	<u> </u>		+	+			-
					+								
			<u> </u>			+	<u> </u>				┼───	+	
Brown Banded Argillite		58 37	59.16						<u> </u>	<u> </u>	<u> </u>		
siliceous, micaceous			100.10		+	·	<u> </u>			<u> </u>			_
brwn semi-translucent purplish (garnets)?	0		+			· · · · · · · · · · · · · · · · · · ·							
rounded 1mm spots - skeletal													
very wk 1% py/po few specks, bds		-				·							
cntct to silica - grtzite ~ 35° to CA		-1											
						<u> </u>							
									+			ł	
				·					ł		+		
Quartzite (or silic arg.)		59 16	62.18	· · · · · · · · · · · · · · · · · · ·	·				+		{	 	
predom grey, siliceous, semi-tansluc, with minor		100,10	02.10			+					+	<u> </u>	
patches micaceous brwn bdd (arg		-				-			+				
py vaneers on fract surfs 60-70° to CA													
few clacitic stringer fract filling			·	·			· • · · · · · · · · · · · · · · · · · ·						
po to 2% in micaceous sections, fg within bdg			<u> </u>						ł		<u> </u>	·-··	
Recoveries		54.87	56.99	1.83\2.13	.						 	<u> </u>	
			59.13		·	1	<u> </u>		·		<u> </u>		
				.85\.91	<u> </u>	4				+			
······			66.14	100%		+	╀───			+	+		
······		00.00	100,14	100%	' {			· 		┥───	+	<u> </u>	
			· [···		-	+	+						
				+	- <u> </u>		- -	· 	+		+		
Ārgillite	45°	62 19	69.43	<u> </u>		+		·		+			_
siliceous,mottle bdd grey-brwn, micaceous		02.10	103.43		1			╞───					
Recovery		65 65	66 14	0.64\0.76		+		<u> </u>		+	.	<u> </u>	
short qtzite sec'n 66.0466.14		00,00	100.44	0.0410.70							+		_
Po blebs and v. thin bds 1-2%			·										

<u>Description</u>		Bdg	From	Το	<u>CoreRecov</u>	Same No.	Samp/wdth	Pb%	Zn%	Au	Aq	Mo%	W%	other
IQLE NO. LJu 97-3 PAGE 7 of 13											g/mt			
	<u> </u>						······	†·			T			1
Quartzite		45°	69.43	70.04		ļ				1			1	1
otal silicification, wk bdd with minor mica,														
t to med grey, similar to prev. qtzite						·			1					-
ninor <1% po +/- py								1						
somewhat gradational cntcts over 13cm	1	1												1
	1			1					1	1		1		-
									1					
ана на прими и при по селоно селоно со собрано и по де подители и по селоно раз и посторително и селоно и селон На постори и по по селоно селоно селоно селоно селоно селоно и посторители селоно и посторително селоно селоно На посторителните селоно селоно селоно селоно селоно селоно селоно селоно селоно селоно селоно селоно селоно се														
Argillite			70.04	71.41				Ì	1	1		1	1	1
same as 62.1869.43 -brwn-grey micaceous							1			<u> </u>	1	1	1	1
ninor po.								1	ľ	1	1	1	1	
, • •								1	1			· · · · · · · · · · · · · · · · · · ·		
							1							
						1			1	1	1			
Quartzitic Argillite			71.41	73.15				1	1					-
another silicified sec'n?, with ~5% thin mica bdg,														
crackled fract. appearance			-	1				+	†	1				1
very minor py		1				· / ·····	**	·/	1	1	1			-
2 X 13cm, brwn mottle bdd @	71.9	1			1	1					1	1		
and @	72.5		_										1	1
patchy gradational chg back to Arg		<u> </u>		1				+	+	-			1	
	1	1											1	1
											-	1	1	1
												+	<u> </u>	-
		1	-			<u>∤</u>	-	1	1		-		1	-
Argillite	-	60°	73.15	84,58		1		1	1	1				1
brwn-grey mottled to f bdd micaceous		1		1		+				1	1			
stron po 73.15-73.76 (to ~5%)	1		-			- <u> </u>			1			1		+
as blebs and discontinous stringers											-			
silica rich 73.4873.57, Sample	1	+	73.15	74.37		LJH-67	1.22	1		1		-	- 1	1 -
(qrtztic) - 75.2275.28; 76.676.9; 83.1783.33	-†	65°		1			1	1		1	1	-	1	
slickensided fract surfs and broken core secins	t ·					1	-	ſ	1			1		1
several 75.2881.07, actinolite -serp'd coated, x-c	cut							1	1			·		1
and // bdg	1	1					1	1	1	1	1	1	<u> </u>	1
gradational chg, irregular to next		1		1	1	-	-1	1	1	1		1		1
	1	-		1	1	1	-1					1	1	1
	-	-					• *				1	1		+

· · ·

Description	Bdg	From	Το	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Aa	Mo%	W%	other
OLE NO. LJu 97-3 PAGE 8 of 13										g/mt		*****	<u>¥uiçi</u>
								1	<u> </u>	.		··· ····· ·	·
													_
Quartzite (silic. arg?)		84.58	85.64										
firty (qtzitc arg) as in prev. qtzite													
reen x-talline over 84.6185.03													
possible dolomitic sec'n,													
odd micas to crackled appearance						· · · · · · · · · · · · · · · · · · ·							
prxx vnlts carbonate, vuggy, py lined,			86.92										
core broken, slight clayey		86,92	87.2										
			<u> </u>										
Araillite		85.64	105.4	·									
prwn-grey mottled Sample			87.17		LJH-68	1.52	-	-	0.1	0.5	<u>├</u>		+
po\py, warpy stringer 5-10° to CA, 1-3mm			01.11					-	0.1	0.5			
siliceous, crackled 88.69-88.9, blocky,							r						+
slickensided fracts	_		·			÷							+
green-pinkish alt'd over 15cm sec'ns		93 57	96.98		-			ł					
siliceous, green and pinkish carbonate on fracts,	··	00.07	00.00			-							
slickensided fract surfs vn alt'n with alt'd env		98 75	99,12										
silica +/- carbonat alt'd		101 3	102.5			<u> </u>	h	·				·	
qtz-carb brxx vein, small vugs ~5cm wide @ 101.58			102.0	·									
Sample		101.3	102.5		LJH-69	1.16	-	-	0.01	·			-
siliceous, greenish brwn, mottled, brittle,		103.6	104.6			1			0.01				+
py on fract surfs <1%			1	· • · · · · · · · · · · · · · · · · · ·						1			•
15cm sec'n slight incr py, poddy fract Infilling @ 104.5		1	1		•					1	-	<u> </u>	
Sample		103.6	104.6	1	LJH-70	0.97	-	0.01	0.03	1	-	-	
slickens surf ~45° to CA @ 104.6						+	<u> </u>					<u> </u>	
								†				<u> </u>	
			+	· · · · · · · · · · · · · · · · · · ·				r	1	<u>†</u>	+	1	
				· • · · · · · · · · · · · · · · · · · ·	1		1					†	-
						*	1		1		1	<u> </u>	
Lamprophyre		105.4	107		1			1		1		1	
magnetic, fg grey-green at margins,			1	1	<u> </u>	+			+	•	<u> </u>		┥
bio grains, black spotted				· · · · · · · · · · · · · · · · · · ·	1				1		 	1	1
sharp contacts 45° to CA, slickens on lwr contact			+	`[•-	1	<u> </u>				<u> </u>			
			1	······································	1		—					1	+
1999 - 1						1	1			-		{ ⊷	+

Description		Bdg	From	Το	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Aa	Mo%	W%	other
IQLE NO. LJu 97-3 PAGE 9 of 13											g/mt			
										-		∤		
Argillite			106.9	123.6	[*						
nottled to wk bdd grey and brwny micaceous	ľ			· · · · · · · · · · · · · · · · · · ·			[·	1						
prwn areas		-60°						1	~~		1			
siliceous grey to blue grey 107.44107.74;										· · · · · · · · · · · · · · · · · · ·	1			
110.33110.64; 111.85112.09; 112.31112.65								1		····	1			
	13							<u> </u>				·[
with po blebs to 5 or 6% of 3cm sec'n							1					· [1	
							·••	<u> </u>				.		
ncreasing siliceousmottled text			117.3	117.7		<u> </u>	†		· · ·	 		/ /	<u> </u>	+
sporadic py/po concentrations, streaks and blebs							+ <u>-</u> -	<u> </u>	1				t	+
Sample			116.8	118.3		LJH-71	1.46	-	-	-	<u> </u>			+
alt'n halos adj to qtz +/- carb stringer vnlts	-+		1	1	<u> </u>	1	1	1				·	<u> </u>	+
ew (near 119.71)	- İ		<u> </u>		<u> </u>		+				+	·	ł	+
nottled green-tan alt'd 120.18120.57							<u></u>					· '		
sericitic+/- chl.?					·		<u> </u>					·		
ninor green coated slicken surfs toward cntct			<u> </u>	<u> </u>						 		·		~
core broken, pebbly			123.4	123.7				1				· • ·		
Recovery					2.44\2.74			ł			+	·		
							,						·	
Argillaceous Quartzite	-+		123.6	128.3		· · · · · · · · · · · · · · · · · · ·	· ·							+
predom blue-grey dense qtz with minor bds and										<u> </u>	<u> </u>	·		-
patches of brwn biofitic masses				·	<u> </u>		1	+				ł		
whit qtz vein			126.9	127.1				ł			┨────	·		
minor assoc py. Sample		*****		127.1		LJH-72	0.3				†	-		-
core broken, slight talcy @ 126.48	h	*		1	<u> </u>					<u> </u>	<u> </u>	<u> </u>	<u>+</u> -	
fracts, some slickened, // to bdg @		45-60°			<u> </u>		·				1	+		
wispy, bdg @ 45° to CA near lower sect'n			1	1	<u> </u>	·}·	<u>∤</u>	ł		· 		<u> </u>		+
broken change, chloritic, slickensided	ł		1	<u>+</u>	<u> </u>	+	+·					<u> </u>		
				1	<u> </u>									
	—†		1						<u> </u>				-	
· · · · · · · · · · · · · · · · · · ·			·†		<u> </u>	·							ł	
Weak Skarny Argillite	—		128.3	129.5		+	+	ł		┟┈┈—	<u> </u>	+	·	
wk bdd to mottled, green-brwn; purplish-brwn			120.0	123.0		┨────			ŀ				·	
(garnets?) very similar to prev. sec'ns of arg. with hig	iher		·	1	+		ł		·]	<u> </u>		+	·	
degree of mottled text, -<1%py/po	<u>, i c</u>		·				·	<u> </u>		┠		<u> </u>	}	
Sample			128 /	129.5	- <u> </u>	LJH-73	1.16	┨	<u> </u>	┢	<u> </u>	┨────		
Valihia			120,4	125.0	·	LJI - 7 3	1.10		-	i -	1 -	1 -	-	

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Description HOLE NO. LJu 97-3 PAGE 10 of 13	Bdg	From	<u>To</u>	CoreRecov	<u>Samp No,</u>	Samp/wdth	<u>Pb%</u>	Zn%			<u>Mo%</u>	<u>₩%</u>	other
					·		<u> </u>		g/mt	g/mt			
Granite		129.5	130.1		-	·		<u> </u>					·
upper cntct slight wavy @ 25° to CA		1			-		┢┈───						+
green-grey -wk prop alt'd							· +		1				··
line diss py throughout, ~1%								<u> </u>					
lower cntct brxx wall rck, ~40° to CA Sample		129.5	130.1		LJH-74	0.61	-	-	-		0.01	-	
										·			
Argillita													
Argillite purple micaceous, to green slight skarny,	·	130.1	131.6				ļ,		ļ		L	 	_
biotitic H-fels appearance				·····		<u></u>						ļ	
0.3 dykelet granite at 130.4845° to CA				+			₋		<u> </u>				
roughly bdd, fine, 40° to CA	40°			<u> </u>				<u> </u>	<u> </u>	<u> </u>			
	- 40			-	<u> </u>	·		·	<u> </u>				
													•
				·				+					- <u> </u>
Granite		131.6	132.3				<u>+</u>						
1 cm gtz band at upper cntct, 45º to CA													··i
green-grey-white, equ granular, wk. prop alt'd	_				· · · · · · · · · · · · · · · · · · ·					+			
very few grains diss py <<<1%							<u> </u>	·/	ł	<u> </u>			
						··	r		<u> </u>	1			
							1	1		<u> </u>			
A 11/14				· · · · · · · · · · · · · · · · · · ·									
Argillite		132,3	133	· •									
grey to purp-brwn, fract, hairline qtz stringers,							<u> </u>						
				ļ		·	ļ			<u> </u>			
						·							
					·		ļ		ļ				
Argillaceous Dolomite ?	··	122	133.6		· · · · · · · · · · · · · · · · · · ·	·			┢				
massive, grey to wk bdd thin brwn micaceous bds	_	100	100.0		····				┨────	<u> </u>			
may just be textural change in above arg, alt'n diffs				<u> </u>			ļ		 				
mica throughout, less bdg than previous arg	-	+					 	┢───					
py/po, elongate blebs, to 1%			∮ -		<u> </u>		<u> </u>	·+ •		<u> </u>			
sharp changes Arg to Dolo Arg 30° to CA		1		├ ────	+		 		<u> </u>				

Description	Bdg	From	То	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Ag	Mo%	W%	other
HOLE NO, LJu 97-3 PAGE 11 of 13									g/mt		<u> </u>		20121
									**************************************	×	1		•
Argillite		133,5	137.1								1		
purp-brwn, micaceous, weak bdd to mottled to								1		·····	1		
massive textures						1		*					-
rregular elongate blebs po +/- py, concentrations		_									1		
to 1 or 2% in 12cm sec'ns, <15 throughout, more near							. 	†			<u>∤</u> -	1	
upper cntct -green-grey alt'd envelope adf. to qtz				1		· · · · · · · · · · · · · · · · · · ·				-	1		
stringers near 136.21			· · · · · · · · · · · · · · · · · · ·		····						1		
·					····							ł	
		-		· [· ·			+				
											<u> </u>		•
Silicified Dolomite ?		137.1	138.6						<u> -</u>	ł	<u> </u>		
grey to slight purp., slightly sugary, patchy silicif.				+		····						}	
hard/slightly hard -minor carbon buildup on fract surf			-			 	·			-	<u> </u>		
patchy gradational chg to next sec'ns 137.46137.88				<u> </u>									.
rehealed brxx texture, cream rounded frags in grey ma	<u> </u>					<u> </u>		ļ					
ew slickensided fracts 45° to CA				+							ļ		
py smears on fract surfs								 					
											ļ		.
				 					ļ		 		<u> </u>
								 .	 	<u> </u>	L		
Arglilaceous Quartzite		- 100.0							Į			L	
many slickened surfs upper 25cm, green serp-talc		138,6	141.7				~						
coated	,	-	·	· · · · · · · · · · · · · · · · · · ·		·····							
				ļ				1					
purp-brwn with minor micaceous sec'ns to grey,		_ _											
slightly sugary qrtzitic, vf bdd			·								<u> </u>		
core broken, fracts sub // to CA over 138.6139.1				L									
thin patches carbonate on fract surfs]				-
warpy 1cm qtz vnlt at 140.29, 45° to CA]				
poddy 1cm py vnlt, x-cutting @ 140.32													
alt'n halos, lighter colours, adj to q-carb stringer												·	
vnits - few		_									1		
]			T		
									1				
									1		<u> </u>	ŀ	+
Rehealed Siliceous, Quartzitic, Breccia		141.7	148,8			<u> </u>				<u> </u>			+
mottled text, rounded fragmental appearance	·				······································		·	1		<u> </u>			
<0.5-3cm elongate grey siliceous frags >50% of						<u> </u>				<u> </u>			
core mixed with patches of brwn-green mottled	~		+	ł				{		 	<u> </u>		
slightly softer (arg) sec'ns				ŧ··-·		<u> </u>		<u> </u>		[

Description	Bdg	From	То	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Aa	Mo%	W%	other
IOLE NO. LJu 97-3 PAGE 12 of 13						<u>, , , , , , , , , , , , , , , , , , , </u>		* *	g/mt		1012.74		- Yungi
Rehealed Silic, Qizitic, Brecc, cont'd)					·					a			
prittle breaking, blocky, multi-fract, slickensided												ļ —	
racts common	_		· · · · · · · ·					•				<u> </u>	-
core broken, crumbley 143.44143.74, talcy	~				··							<u> </u>	
serp'ed surf's Sample		141.7	142.4		LJH-75	1.28	- 1	-	0.01	-		-	
144.65144.86 -warpy 1-2cm qtz, xz folded vnlts			F				<u>}</u>						
-5-10° to CA, white no Su						1		1		1	1		+
ncreased perv. white qtz 145.23-148.86;	_							1					
46.78147.24 -white qtz vn, few micaceous inclusions,			1	•								1	+
by blebs and fine hairline fract infills - Samples		145.2	146.6		LJH-76	1.4	-	-	0.02	-	-		-
		146.6	147.5		LJH-77	0.94	-	-	0.02	-	-	-	-
47.24148.8 cont'd white qtz rich silicification		147.5	148.8		LJH-78	1,22	-	-	-	-	-		-
drop in % silic - qtz to next sec'n			1					1					
					1								
Dolomitic ? Argillite		148,8	160.5									[····	
very irregualr, mottled patchy in places, brwn													
nicaceous to grey and gre-green wk brecciated/			1										1
nealed								1	†				
prxx secins 12cm, similar to prev. secin few										1			1
core very broken 149.04149.19; slickens													
prev brxx sec'n, few vuggy remnants				·····	· · · · · · · · · · · · · · · · · · ·								
ncreased silica 151.93152.09					•	1					1		
152.09152.33 -white qtz vn		-				·{			<u> </u>	·			
slickensided upper/lower contacts, seriatic					+					+	· ·		+
patchy inclusions, no Su's noted													-
152.33-152.54 -silicous brxx, rounded rehealed text					1				h	1			·
Sample		152,1	152,5		LJH-79	0.46	-	-	0.01		-	- 1	
					1								
predom med. grey dolomitic? appearance					1	1							1
152.55156.96, many slicken fract surfs, variable										1			
prient'n thr-out; slight sugary, to sericitic microbanded													
broken core, green slicken 157.58-157.73											<u> </u>		1
patches brwn micaceous 156.96158.64													-1
ncreased silicification with wk rehealed brxx text							1			·			
lo 159.71													

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Description	Bdg	From	To	<u>CoreRecov</u>	Samp No.	Samp/wdth	Pb%	<u>Zn%</u>			<u>Mo%</u>	W%	other
HOLE NO. LJU 97-3 PAGE 13 of 13				 	l 	 		ļ	g/mt	g/mt			_
nicaceous/argill to 160.47									<u> </u>	<u> </u>		 	<u> </u>
ninor py, thin patches on fract surfs													
					{			<u>├</u> ───-	<u>†</u>	<u>├</u> ─~	<u>∤</u>	<u>├</u> ┈┈┈─	+
							<u> </u>			1		<u> </u>	
									1			1	
					- <u> </u>								
Quartzite (silic, arg.?)		160.5	162.6		L		 			 		 	
med grey, slight sugary to it gre wk translucent,					ļ					ļ			
nard, brittle, micro fract., minor py on fracts	_ <u>}</u>		 	 	·	<u> </u>	↓	 	<u> </u>	<u> </u>	<u> </u>	 	<u> </u>
few mica patches	~_ 		 		<u> </u>		. <u> </u>		<u> </u>	 	ļ	ļ	·
minor slickens on fracts		400 -	100.0	 	1 11 22		ļ	 		<u> </u>		ļ	
somewhat gradational chg in/out -Sample	<u> </u>	160,5	162.6	<u></u>	LJH-80	2.1		-	0.01	<u> </u>			
			↓	ļ	ļ		[<u> </u>	 	
		-	<u> </u>		<u> </u>		<u> </u>	╞───-	. 	<u> </u>		<u> </u>	
	- -		·	 	ł		<u> </u>	 			}		_
Araillite		162.6	169.5					<u> </u>	 	. 		<u> </u>	
mottled, fract in places, rehealed brxx text.,		102.0	109.5		- ··			<u>}</u> −−−				}	┥
patchy silicification micaceous							┼				<u> </u>		
very siliceous 162.7163.21, It grey qtzsitic @ 162.7				<u> </u>	<u> </u>	<u> </u>		<u> </u>	┨────	}- <u></u>			+
stckwk text qtz stringers 163.21163.93								<u> </u>				<u> </u>	
strong siliceous 163.47164.28				<u> </u>	<u> </u>	<u> </u>		<u> </u>	}				
core increasingly broken/blocky 164.89169.46				·						+			
many chaoky slicken surfaces				<u> </u>	<u> </u>	{	┼──∽	<u></u> }-≁───	<u> </u>	<u> </u>	<u>}</u>	·}	
minor x-tailine py coatings on fract surfs					<u> </u>		<u> </u>		1	<u>∤</u>	<u>+</u> -	┝	+
fracts mostly 45-90° to CA					1		 		{	- f	<u> </u>		
								[.t	†			
							1		1			· · · · · · · · · · · · · · · · · · ·	
												T	
REC'S 100% +/- 5%				<u> </u>		L		[
						L							
			<u> </u>	ļ	·]	<u> </u>	L	ļ					
			<u> </u>	<u> </u>	.	l				<u> </u>			
			1]						}		
										1			
E. O. H. 169.46								}		}]		
					_	<u> </u>	<u> </u>	<u> </u>	ļ	┼────	┢──~	 	
	_ _			<u></u>	_l	<u> </u>	L	L	1	1		<u> </u>	

Completed: 4 March 1997 Be	earin ore S	877N 1g Size: E	Dep* Dip -	7808E 90° Remar To 1.52		4267 6 survey	Logged by Lgth. 176 point, DJ2 Samp/wdth	5.16m Min 	/ E.L. ne Co	D, Locat ords	ATE: ion: 41 (Imper	9 XCE rial)		
Completed: 4 March 1997 Be Driller: Allen Potapoff Completed: Complete: Compl	earin ore S	ig Bize: E Bdg	Erom	90° Remar To 1.52	ks: Near '9	6 survey	Logged by Lgth. 176 point, DJ21	r: P.G. 5.16m 1 _*Min	/ E.L. ne Co	D, Locat ords	ATE: ion: 4 Imper	9 XCE rial)		
Description Comparison IOLE NO, LJU 97-4 PAGE 1 of _8 Casing - road crush and broken bedrock (Dolo) Drange-Grey Dolomite Singhtly limey or-grey bdd to massive finely x-talline, light orange top and bottom sec'ns bdd)	ore S	Bize: E Bdg	From 0	Remar To 1.52		6 survey	Lgth. 176 point, DJ21	5.16m Min 	n o Co	Locat ords	ion: 41 (Imper Ag	9 XCE rial)		other
Description IOLE NO, LJu 97-4 PAGE 1 of 8 Casing - road crush and broken bedrock (Dolo) Drange-Grey Dolomite lightly limey pr-grey bdd to massive finely x-talline, light orange top and bottom sec'ns bdd)		Bdg	<u>Erom</u> 0	To 1.52					ne Co	ords Au	Impei Ag	rial)		other
IOLE NO, LJu 97-4 PAGE 1 of 8 Casing - road crush and broken bedrock (Dolo) Drange-Grey Dolomite lightly limey or-grey bdd to massive finely x-talline, light orange top and bottom sec'ns bdd)			0	1.52	CoreRecov	Samp No.	Samp/wdth	РЬ%	Zn%			<u>Mo%</u>	W%	other
IOLE NO, LJu 97-4 PAGE 1 of 8 Casing - road crush and broken bedrock (Dolo) Drange-Grey Dolomite lightly limey or-grey bdd to massive finely x-talline, light orange top and bottom sec'ns bdd)			0	1.52		<u>Samp No.</u>	Samp/wdth	Pb%	<u>Zn%</u>			<u>Mo%</u>	<u>₩%</u>	other
IOLE NO, LJu 97-4 PAGE 1 of 8 Casing - road crush and broken bedrock (Dolo) Drange-Grey Dolomite lightly limey or-grey bdd to massive finely x-talline, light orange top and bottom sec'ns bdd)			0	1.52								JYLY 70	<u>v v 70</u>	
Casing - road crush and broken bedrock (Dolo) Drange-Grey Dolomite lightly limey or-grey bdd to massive finely x-talline, light orange top and bottom sec'ns bdd)		65°								9/111	grint			
Drange-Grey Dolomite lightly limey pr-grey bdd to massive finely x-talline, light orange top and bottom sec'ns bdd)		65°									}			_
Drange-Grey Dolomite lightly limey pr-grey bdd to massive finely x-talline, light orange top and bottom sec'ns bdd)		65°												
lightly limey pr-grey bdd to massive finely x-talline, light orange top and bottom sec'ns bdd)		65°	1.52	3.2			1							+
lightly limey pr-grey bdd to massive finely x-talline, light orange top and bottom sec'ns bdd)		65°	1,52	3.2	J	•	1	+				t		-1
or-grey bdd to massive finely x-talline, light orange top and bottom sec'ns bdd)		65°			1									
top and bottom sec'ns bdd)				l		 						[
			·						l					
ocly loophod coulting in open 4 90 974			Į	l	L	L								
ninor wavy aspect to bdg, poor boudin devel'd noted	<u>d at 2</u>	2 <u>.95</u>	 _											<u> </u>
ninor py bds, few, 2.743.2; 0.3-0.5cm width			L	<u> </u>	 									1
radational chg to next sec'n over 30cm, decrease			ļ											1
prang colour, increase py														
			-{											
Black/White Dolomite	{		3.2	4.54		<u> </u>				 	 	i		-{
oughly bdd to mottled Sample			3,2			LJH-81	1.34				0.3			
nottled 4.144.51 brxx text, some ang frags			1				1,0-1				0.5			
longate 1-2cmD., rough orientation alignm't 60° to CA,			 -		<u> </u>	·								
ounding of frags apparent towards 4.54			·		·[·		·			·				+
by, warpy rough bds and intercon'd pods thr-out,			<u>†</u>	+	<u> </u>	╉────`	<u> </u>				├──-	├ ────	[
0-15% of core, bds py roughly 65-70° to CA			<u> </u>				<u> </u>			<u> </u>		l		+
airly hard, poss wk silic								<u> </u>					~	
harp chg to next unit, -carbonaceous, possible			· }	·}	·			<u> </u>					<u>├</u>	+
lickensided cntct (graphitic)		~	<u> </u>			<u> </u>	<u> </u>							
manorialized amor (Anaprilia)			<u> </u>			 								
		·				·					!	i		
Massive Pyrite	t		4.54	5.06	 			t	<u> </u>	l	├	┟╌┈┤	 	+
ough bdd ~4.6 with black hard fg material,			1	1	·						·	·		+
apparent carbonaceous silica (black streak)	ł			1	·	· 	<u>+</u>		<u>├</u>		<u> </u>			
sharp decrease py at 5.06 to next sec'n -Sample			4.54	5.06	·	LJH-82	0.52	3	01	0.15	9.5			-

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Description	.												·
HOLE NO. LJU 97-4 PAGE 2 of 8	Bdg	From	To	CoreRecov	Samp No.	Samp/wdth	<u>Pb%</u>	<u>Zn%</u>	Au	Ag	Mo%	W%	other
1044 NO. 201 97-4 PAGE 2 01 8									g/mt				<u>_</u>
Black Silicified Dolo?				·							1		
		5.06	5.42				<u> </u>						
apparent carbonaceous silica, fg massive py, rough bdd to poddy, with minor x-cut stringer		_											
vnits, tot. to 20-30% core			·	·									
sharp chg to next sec'n, warpy ~80° to CA						· · · · · · · · · · · · · · · · · · ·							
				·									1
Sample		5,06	5.42		LJH-83	0.36	0.4	-	0.02	-			
Black/White Dolomite		5,42							{				
similar to 3.24.54	•	<u></u>											
very wk fizz/limey Sample		5.42	5.7	<u> </u>	1 10 01	0.07				<u> </u>		<u>-</u>	
molled to v. wk bdd, py, wk bds to poddy networks, 20%		0.42	<u> </u>		LJH-84	0.27	0.2	0.3	0.03	2.7			
		-											
Grey Banded Dolomite	_	57	12.98								<u>-</u>		+
ine x-talline, v. wk limey		-							 				
odd it gr, dk grey	55°			 -	<u> </u>								
minor hairline calcite stringers	60°												
minor py blebs and fine bds						······			l				
6.616.7 -py conc., fine and poddy bds to 5-10%							~ 		 _				
of subsec'n Sample		5.7	6.7		LJH-85	1			0.01	0.9			
6.77.62 mostly dk grey, slightly skarny ?				┝ ╌ ╷						0.9	<u> </u>	-	
with actinolite? and small 1mm rounded bright green													
grains (v. few) talcy? actinolite? radiating, dk grey		1											
aces, many throughout								— • •	;				<u> </u>
7.77-8.38 core broken, vuggy fract (1mm) // to CA				·	·· ···								
pocky core surface 8.238.36 in mostly dk grey dolo			··				. <u> </u>	<u> </u>					
8.38-12.98 -coarse 15cm) to fine 1mm bdd dolo	\{					·							-}
ine py bdg concentration 10.5110.67; 30-40% py													
ncreasing py toward end of sec'n, fine bds and										,			
rregular poddy networks, 11.8912.48		-1	·	<u> </u>	<u> </u>								-
average ~5-10% Sample		10 27	10.88		LJH-86	0.61							
11.9812.4 -irreg. text, few specks Sample			12.98		LJH-87	1.1				1		-	
pinkish and green <1mm individ grained		+	12.00		LJI1-01	<u> </u>	Ì	-	0.02	0.8		-	
very wk skarn ?		+					·					·	-
somewhat gradual text'rd chg to next unit		+										··	-
				·						~. <u> </u>			L
	·												
	{	-{·	····										

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Description	Bdg	From	To	CoreRecov	Samp No	Samp/wdth	Pb%	Zn%	AD	An	Mo%	W%	Athe-
IOLE NO. LJU 97-4 PAGE 3 of 8					Length Kings	AND NUMBER		<u></u>	g/mt	_	1070	<u>41.78</u>	<u>other</u>
			1	†		<u> </u>	<u>∤</u>			3,		<u> </u>	+
Dolomite		12.98	16							· [
nostly it to med grey, massive to poorly bdd					<u> </u>		<u> </u>						+
juite hard_13.3814.93; wk silic'n						·		<u>+</u>					-1
3.5614.32 -brxx vn through core ~5-10° to CA					<u> </u>					·	<u> </u>		- <u> </u>
-2cm wide; grey clayey matrix with angular 0.5cm					· · · · · · · · · · · · · · · · · · ·						1		
lolo frags, (fault? brxx)			<u> </u>				ł		<u>├</u>	·			
nassive grey wkly silic dolo to 14.63			1		ł	·		╂────	}	┼───	<u> </u>	Ì	
ncreas'g dk grey colour, roughly bdd to mottled to	16			<u> </u>		1	<u> </u>	· [
5.5416 increased limey content, grades to LS				+	<u> </u>	<u> </u>		 	<u> </u>	┼───~	┝		
			1		}	<u> </u>		┼───	<u>}</u>	<u>+</u>	┝		
· · · · · · · · · · · · · · · · · · ·		····	-1	· / •	·	·	<u> </u>	<u> </u>	- <u> </u>	╂	┢		
		·	· [┣━᠇		<u> </u>	<u> </u>	┢────	
Bonded Limestone/Limey Dolomite		16	25.11	<u>}</u>		l		}		<u>}</u>	<u> </u>	 	
ine x-talline limey dolomite to coarse x-tal (2mm)	<u></u>		20,11			<u>+</u>					 		
meslone, roughly 25mm 25cm bdd intervals			<u> </u>		<u> </u>								<u> </u>
Rec's 100%					·	<u> </u>	·}		\		<u> </u>		
7.9818.23 vuggy broken sec'n through core,			·	·	·			ļ			└───		
-50% vugs 1616.76	70°				·	ļ	 .	.			ļ'		_
ine discontinuous py bds - 16.016.15				.]	<u> </u>	<u> </u>		ļ					
-5% py - 16.416.7					ļ	l	ļ						
olded bdg, warpy micro folds 20.2720.48 -Sample			107		1 11 00					ļ			<u> </u>
small rusty vug @ 22.1		16	16.7		LJH-88	0.7	-	·	0.01	0.4	ļ'	-	
hin orage bds @ 22.522.6, dolo			·i	· ····-	i	 	ļ			ļ	'		
nostly dk gey limey dolo to 22.86	45°	00.00	00.47		ļ								
varpy folding at 22.86 22.95	<u>45°</u>	22.86	23.47	·	}		 	 	 	 	ļ'		
			-			·				L	!		
radational less limey to next sec'n							L	L					
				L	 	 							1
			L				[
imey Dolomite		25.11	29.5										
coarse bdd (15cm +) off white and grey								1					+
ariable lime content, no coarse x-tal LS												·	
ore broken 25.227, fracts sub-// to CA									·	[+
vidence of brxx in dolo near 26.06, 1-2cm frags in						1		1				·	
-carb matrix, somewhat clayey	55°									1		·	
uildup on fract surfs 26.67-26.94	60°					[<u>├</u> ──	<u> </u>			┟╾───┦	h 	+
ery minor py <<1% as individual blebs, few grains					}	*	[1	··	_	┟────┩	 	+
phal with py in 1cm sec'n near 25.3 REC's		_25.6	27.12	4.4\5.0	[· · · · · · · · · · · · · · · · · · ·	<u> </u>		<u> </u>	<u> </u>	<u>├</u>	<u> </u>	
prange discolorat'n in dolo 28.6529.56		27.12	30.17	100%		1	t		-	<u> </u>			+

Description	Bdg	From	To	0D			OLA/	7.00					
HOLE NO, LJU 97-4 PAGE 4 of 8	<u>Prid</u>		10	<u>CoreRecoy</u>	<u>Samp No,</u>	Samp/wdth	PD%	<u>kn%</u>			<u>Mo%</u>	<u>W%</u>	<u>other</u>
		+						<u> </u>	g/mt	<u>g/mt</u>			
Lamprophyre		29.5	29.9		·		·	-				ļ	
olivine-bio porph in earthy grey matrix			- 20.0	<u> </u>	<u> </u>	}	·	┝──~	┝───	<u> </u>	}	·	┿┷╍
finer gr chill margins 7-10cm			i			·							
upper cntct broken, lower ~ 30° to CA						<u> </u>						<u> </u>	
		- •								·		ł	~
	+				·	· · · · · · · · · · · · · · · · · · ·			<u> </u>			:	
Limestone		29.9	30,87			 			<u> </u>		┨───		+
mostly coarse x-tal white-light grey	65°			[+	. ·						
with mnor dolo secins at top and bottom			· •	<u> </u>		<u> </u>					┨────		+
							<u> </u>					<u>├</u> ─~·	
	~	1				<u> </u>			┼──~	<u> </u>			-+
Dolomite	-	30,87	46.57		<u> </u>	t				·			+
grey and white warpy bdd to off-white massive,			<u> </u>		·•	<u> </u>		<u> </u>	┣──-	+		ł	
some minor limey sec'ns	60°		1	<u> </u>		<u> </u>	.					<u> </u>	+
30.8731.2 <0.5-1cm bdd grey wht minor bds py		· * =			·····				<u></u>			 	+
incrs'g py bds in grey dolo to 31.7	~~~~~	1									<u> </u>	<u> </u>	
coarse poddy py/po +/- sphal to 31.82					····				i				+
to 60% of .12m sec'n, minor brxx text		1								<u></u>		ł	
predom bdd py in dolo, grey and wht to 32.7, ~40-50% py		7			· · - ·		-			-			+
coarse bds massive Su's, py, po to 36.7 -Samples		30.87	31.82	1	LJH-89	0.94		-	0.04	2.3			- <u> </u>
(+/-) sphal ga., remnants of bdd?		31.82	32.9		LJH-90	0.88		1	0.06	2			+
textures, brecciation, minor fine fract filling stringers,		32.7	33.98	······	LJH-91	1.28		1.9	0.1	3.4	-		
and coarse rouinded blebs, irreg. text		33,98	35.23	[LJH-92	1.25			0.11	3		-	+
50-60% Su's, mostly py (70-80% of Su's)		35.23	36.7		LJH-93	1.46			0.13	12.6			
fewer coarse py/po bds to 39.22, 20% of sec'n po>py		36.7	38.4		LJH-94	1.71	0.4		0.06			-	
incrs'g skarny dolo to 40.47, patches of green		38.4	39.22		LJH-95	0.82		0.7	0.05		-		·1
(actimo), hard silicified, with po patchy bdd 39.8640.2	3	39.22	40,38		LJH-96	1,16			-	4			+
20-30% po +/- sphal REC 36.27-39.32				2.56\3.05						· · ·			+
white dolo, very faint fine bdd to 46.57				- <u></u>		f							1
wk clots skarny toward next sec'n	65°							-					-+
				,									+
						1			<u> </u>	i			+
Skarny Dolomite		46.57	46.87					1	~- <u>-</u>				-
green with minor rd-brwn (garnet) patches							(├─ <u></u>	<u>∤</u>			+
hard mildly silic. grades to skarny arg, 46.81-46.87									!		<u> </u>		+
f bdd green, very minor <4% po near cntct in skarn]											
sharp cntct, warpy slightly (remnant flame struct.)									<u> </u>		ļ		·}
~75° to CA						· · · · · · · · · · · · · · · · · · ·							+
											·	h	†

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STATES A

				<u> </u>	 			<u> </u>	T	Γ	T		1	
Description		Bdg	From	То	CoreRecov	Samo No	Samp/wdth	Ph%	7.0%	Δ1	Aa	Mo%	AA/9/	
HOLE NO. LJu 97-4 PAGE 5 of 8				·	<u>toloucor</u>	gamp ite,	<u>Antibuard</u>	h-K-TA	<u> </u>		g/mt		<u>vv /0</u>	other
					· · · · ·	· · · · · · · · · · · · · · · · · · ·	+		·	<u> 9</u> /111	<u>9,1111</u>	┝		
Argillite			46.87	67.35				<u> </u>	 		<u> </u>	· [<u>↓</u>	
ine laminated, brwn micaceous		65°	-		·		·	<u> </u>			+	·		·
patchy light colored grey to grey-green		70°		· [· · ·	·· ·									
areas related to silicif'n/alt'n					·	<u></u>	+					+		-
nicro faulted offsets of 1-3cm seen in vnlts near			1								<u> </u>			
47.85 and 49.07 Sample			49.68	50.59		LJH-97	0.91		-		1		-	
gtz rich segment @ 49.98, warpy white								<u> </u>	<u>+</u>	<u> </u>			-	
qtz vnlt 3-4cm wide - 49.92-50.01							<u>+</u>				-	+		
patchy py growths on fract surfs		<u> </u>	1	1		<u>├──</u>	┾┈──	+		<u>+</u>	1	+		-
few green colored qtz-py vnlts (1-2mm)				1		<u> </u>	<u> </u>		·			+	·	
at 10-15º to CA - 50.951.2, qtz-py+/-actinolite			+	1		+	<u> </u>			<u> </u>	<u> </u>			
runcated (sheared) mottled bdg common through unit,				1	· · · · · · · · · · · · · · · · · · ·	<u> </u>	+	1	· [╂-───-	+	+	· [
brwn-grey oblong patchy ntwk,, remnant bdg?			-	1		<u> </u>	1	<u> </u>	1		┼───			
minor po along bds or cleavage planes, and in						[+			<u> </u>		┣	<u> </u>	
x-cutting 1-2mm stringer qtz (few) =<< 1% po		~~~~		1									· [
only in some 30-45cm sec'ns (e.g. near 61.26)				·		<u> </u>					+			
silicified 61.5762.48, brittle with mnor stckwk-like						·		<u>+</u>			<u> </u>			
vnits, minor py in vns and minor green-actino bearing vnit				<u> </u>	·	¦	<u>+</u>	┤ ──	┼───	<u>}</u>	+	· •	┼───	
-15-20° to CA Sample			61.11	62.54	·····	LJH-98	1.43			<u> </u>		<u> </u>		
REC's					100%						+		<u> </u>	
				1					·[+	<u> </u>	~
							· {	1					f	
				1	·			<u> </u>		<u> </u>	{	+		·
Silic'd Grey Banded Argittite		80°	67.36	134.5		1					†			
mostly grey, some brwn remnant mottles -	70.6	~~ <u> </u>		1	+	<u> </u>		┼──…			ł	+		~}
broken, grey silic pyr dissem. Sample		<u> </u>	67.66	68.73		LJH-99	1.07	<u> </u>	0.01	<u>├</u> ~		<u> </u>		
silic'd grey well bdd to 74.67, minor contort'n	74.7	† _	1	1	 			†				<u> </u>	<u> </u>	-
occas 1mm qtz vn L bdg, tand colrd altrn				<u> </u>			+••			╂-───	+			+
feathers out from vein up to 25mm Sample			73.15	74.15	- Y	LJH-100	1	1	<u> </u>	0,1			<u>}</u>	
occas as above but // bdg 1 per 5 feet				1						<u> </u> '-		<u>├</u>		
py 6mm // bdg 73.56-74.06											·			
py 2-3cm L bdg 74.0974.24		1	<u> </u>	1	**************************************	<u>+</u>	<u></u>		<u> </u>	<u> </u>	+	<u> </u>	<u> </u>	
blotchy mottled grey brwn silic'd to	84.1			-1	<u> </u>		·			┢━━━-	1			-
vague bdg; fine 1mm vnlts buff colored calc and gt	Z,	1		1	· [· ····	<u> </u>				 	<u> </u>	<u>├</u>	<u> </u>	+
feather pattern to	76.9		1	1				<u>∤</u>		┾		<u> </u>	 - -	
grey silic'd bdd, som brxn to	78.1		1	-				<u> </u>		<u> </u>	ł	<u> </u>		
white qtz mixed with grey -77.8178.02 -Samples	<u> </u>	<u> </u>	76.04	76.5		LJH-101	0.46			- <u>-</u>	<u> </u>	<u> </u>		-
		<u> </u>		78.05		LJH-102				<u> </u>	<u> </u>	<u>├</u>		

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Description		<u>Bdg</u>	From	To	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Ag	Mo%	W%	othe
IOLE NO. LJU 97-4 PAGE 6 of 8										g/mt	g/mt		,	
plotchy mottled grey grwn silic'd to	84.1	800				<u> </u>			ļ				ļ	
occas 1mm calc fract, L bdg	04.1						<u> </u>	┨───						-
nostly mottled grey silic'd (brwn is minor) to 94.03				<u> </u>										
bdg generally vague -86.86		80°					<u></u>					ł		-
nainly grey massive, fine 1mm pyr 86.186.95	_			<u> </u>			· ·						ł	+
Sample		{	86.1	86.95		LJH-103	0.85			<u></u>	\	<u> </u>		
ealhery buff filling, variable orient'n 88.0889.61				100.00							<u> </u>	+		+-
plebs of white qtz				<u>{ </u>				<u> </u>					·	+
ess silic'd - 90,2290,67			+	┨────						ł		+	· •	+
1mm pyr 70° to bdg 90.86	· · · · .	70°	-	<u> </u>					<u> </u>					
scat pyr blebs and bds in grey silic'd Sample	<u>├</u> ~	<u></u>	91 34	91.83		LJH-104	<u> </u>	<u> </u>	<u> </u>	<u>}</u> _	-	+		+
the state and and an group officer complete			101.04	101.00			+	+		†- <u>-</u> -	+	+	1	+
		+		·{	+	·			 	<u> </u>	+		·	+
		· /	+	·		-[+			+	
silic'd brey bdd		70°	94.03	95.7		1	·[·}	+	+		 	
vague bdg, occas blotch brwn, scat 1mm blebs		10		00.1	+	+				╂─────			{	┥╴
of py/po, not as silic'd (softer) to	98.6	65°				- i		┼──					· •	
grey-green with buff blotches, silic'd in places to	99.8													
Sample		1	96	96,74		LJH-105	0.74		-		-	<u> </u>		+
actin? in 6mm fract L bdg, tend to be lensey to		70°		<u> </u>				<u> </u>				· [
Sample		· [· · ·	99.05	99.82	-	LJH-106	0.77	.	-		- 1	-		-
grey green silic'd (some diops) to 100.12		1							· · · ·		1		· /	-1
grey, buff, brwn motlled, silic'd to 102.41		1		1		-		<u> </u>		1				
6mm mottles of qtz with vague boundaries				1				+	1	1				1-
grey brwn mottles with vague edges to 103.93			· · · · ·				1	<u> </u>		-		1	1	
flouresc. yellow with occas blue white Sample		1	103,5	105.4		LJH-107	1.86	† _	-	1 -	-	-	0.04	,†-
		1		106.5		LJH-108			-	-	- 1	-	0.01	
25mm qtz to 107,16								<u> </u>	1	1		†~	1	+
broken core, talcy fract 107.89108.81		80°		1		1	-[-	-		1		-
grey, green brwn intermit silic'n, vague bdg to 115.	21	70°								1				1
grey, brwn bdd, silic'd to 115.21		60°						1		1			1	-
3mm discontinuous py in fract sub // bdg														
Sample			113,9	115.2		LJH-109	1.22	•	-	-	-	-	-	-
grey brwn mottled and bdd, some silic'd areas to 119.99		55°											1	Τ
brwn bdd to 120.21		50°												T
grey white siliceous mottles with brwn rims to 120.54									1	1	[\uparrow
leached leuco intrus to 120,79							<u> </u>	1						
inclusion of brwn arg									1		1			1
fg grey grn, no bdg to 121.24		- <u> </u>		1	1			<u> </u>	1	1		-	1	1
hairline tan fract fillings @ 60° to CA		-	-					1	1		1	1	1	

Description	Bdq	Erom	To	ComPagar	Come Ma	Samp/wdth	Dho/	700/	A	0.0	80.00/	A.10/	
HOLE NO. LJu 97-4 PAGE 7 of 8	u		<u></u>	<u>PoleKécov</u>	Samp No.	Samp/wdth	<u>PD%</u>	<u>2n%</u>			<u>Mo%</u>	<u>₩%</u>	<u>other</u>
			·					[g/mt	g/mt		 	
may not be // bdg	_		·			·			····		ļļ	ļ	·
fg dense grey to 125.24			·									[
vague bdg to 122.22	60°			·		i		··			- <u> </u>	<u> </u>	
occas hairline tawny fract as at 121.3, various angles		-			~							ł	
Sample		122.1	122.5	- <u>-</u> *	LJH-110	0.45					J]	 	
blotchy grey brwn silic'd to 130,14		122.1	122.0	<u> </u>		0,45	-	-		-	 !		
predominantly grey areas are silic'd				·							'	 	
e.g. 128: 3mm qtz-actin vein @ 30°	60°		· · ·						ļ			<u> </u>	
with ~2.5cm silicfn either side, similar situation at		-{		·	·				·				4
other footages also Sample		126 2	128.4		1 11 1 4 4 4					ļ			
grey with tawny hair fractures // bdg to 131.08	65°	120,3	120.4		LJH-111	2.1	-				ļ	-	<u> </u>
contorted @ 131.05	- 0.5				·			 			ļ'	<u> </u>	
grey erratically mottled, altered to 133,5						·		<u> </u>	<u> </u>		ļ'		<u> </u>
some silic'n, bdg seems // CA @ 132.58		-		l							<u> </u>		
broken core 133.5134.59												L	
band of fine py @ 133.95 @ 50° CA					· · · ·								-
highly fract arg with Itrn along fractures			·										
some brwn remnants arg													
occas knots of qtz; consid. sericite											·		
occas knots of diz, consid, sericite		-	·			· · · · · · · · · · · · · · · · · · ·		ļ					
	_				·	·							
Intrusive		1015						,					
Contact with Intrusive		134.5	176.2	<u></u>								L	
		_	·		· <u></u>								
while gtz with frags of leached leuco intrus and		_							-				1
fine black fract fillings of fine MoS2 - 135.29		-											1
Samples			135.3		LJH-112	0.7	-	-	-	-	0.02	-	
		135.3	136.3		LJH-113	1.04	-	-	-	-	-	-	-
······································							1						-
mottled grey green (gypsum?), mafics leached to grey	_												
spots. Indurated with gtz. minor disem po, MoS2 and py							·						+
on fine healed fractures 136.33											[]		
lighter colored than above, few mafix - 138.19							1			<u> </u>	 		-+
2.5cm qtz @ 136.76; 137.03; 137.18; 137.3; 137.8						·				<u>۲</u>	<u>├</u> ──┤		1
Sample		136.3	138.2		LJH-114	1.86	-		-	<u> </u>			-
med gr leuco with faded mafix (~15%) 144.47			1	·		_				·			
1mm fine py and Mo? @ 80° CA @ 138.8					1	··				<u>├</u>	┟────┤		+
139.29			1	1	t				†		<u>i</u> −−−−†		
		~	1					 			├		
			1			<u> </u>	-	ŀ~	ł	 	┢───┤		──

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Description	Bdg	From	To	CoreRecov	Samp No,	Samp/wdth	<u>Pb%</u>	<u>Zn%</u>	Au	Ag	<u>Mo%</u>	W%	other
OLE NO. LJU 97-4 PAGE 8 of 8								ļ	g/mt	g/mt			
	_	_	1					ļ					_
rreg patches qtz and py - 140.32141.88		1.155						<u> </u>		ļ			
Sample		140.3	141.9		LJH-115	1.56	ļ. -				-	-	
ned gr leuco with most maflx fresh - 176.16 EOH				- <u> </u>									
25mm alta @ 80% 0.4 @ 1144.00			ļ						<u> </u>	-	 	ļ	
25mm qtz @ 80° CA @ 144.62						<u> </u>						<u> </u>	4
25mm qtz @ 20° CA @ 149.19												<u> </u>	_
2mm qtz py 60° CA @ 147.23; 150.41; 151.81				·			 			<u> </u>	<u> </u>		~
proken core 152.39153.49					·		l	<u> </u>					
Scm gouge @ 20° CA @ 152.54		_					<u> </u>	ļ					_
ock is more altered in this area; mafix faded		_	-	Į	 			<u> </u>			ļ		
altered, faded mafix in area where qtz-cale veins			.										
cross (one in 1.51.8m)					ł	-				·			
general trend to less altrn with depth		-		ļ			ļ				<u> </u>		~
proken core, some fractures // CA 161.54163.36		_					<u> </u>	<u> </u>			L		_
his area is low mafic (or altered)									<u> </u>				_
color tends to be pinkish				+							l		_
occas cluster MoS2 (6mm) 165.8170.68								.			<u> </u>		_
Samples		167.2			LJH-116			-	-	<u> -</u>	0.1		
		1/3.8	175.7		LJH-117	1.89		.		1.7	-	-	
MoS2 in fract @ 15º CA 174.64			-		+					-			~
				-		· · · · ·						+	
						-		-					
								+				·+	-
······································								+					
							-			•			+-
· · · · · · · · · · · · · · · · · · ·			+		-		· • · · · ·	-					
		+	*		_	-							+
		-	1					+	+	+			
**************************************		-						+	•				
							1		1		1		
E. O. H. 176.16			1			1	1	1		1			
				┨						-	<u> </u>		
		_			-						-l		
·					-	+	- 			·		<u> </u>	_
· · · · · · · · · · · · · · · · · · ·			•	-							<u> </u>		
			1	1	1	1	1	1	1		1	1	

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Property: Jersey			Hole	No. L	<u>Ju 97-5</u>	<u> </u>			<u>e 1</u>			L		
Started: 4 March 1997	Lat *	4880N	Dep *	8135E	Col. El.*	4283	Logged by				6 Mar			
Completed: March 1997			Dip		L		Lgth. 113	<u>.99m</u>		Local	tion: 4	<u>ə xci</u>		
Driller: Allen Potapoff	Core	Size: 1	<u> <u> </u></u>	Remar	ks: *Mine	Coords ((Imperial)	···			ļ			
Description		Bdg	From	То	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Ag	Mo%	W%	other
HOLE NO. LJu 97-5 PAGE 1 of 5		<u></u>	<u> </u>	<u> </u>	UUIUICOU		Danip/wani	<u> </u>	E=17.15		g/mt	1114.14	I T I Y	- Ningt -
<u> </u>										9,	9,			
Limestone		1	0	32.82			· · · · · · · · · · · · · · · · · · ·					1		
mostly blue grey bdd mg-cg	39	70°	1											
cg white 6,77.47		75										+		
mostly solid core	14.6					1	+						<u> </u>	-
6mm rusty fract @ 30° CA @	13.7				· [1	ł				+	1		
3mm yellow fluorescent band // bdg @	11.6				•			+						
	17.9		-											
scat specks black mineral; rusty vug Sample			18.3	18.7		LJH-118	0.43	-	-	-			-	
	<u> </u>	1	19.8			LJH-119	and the second s					-	-	
grey cg faint bdg 20.2723.47				1			1		-				·	~
mostly blue with some guy; bdd, mg				1	·			+		-	1		-	
bdg not as distinct as earlier to	30.7				-									
	28	65°			··									
mostly grey with blue bdg	31.1	65°		1										_
13mm mg pyritic-rich bd 31.88 and 32.06	_											1		
disem. py/po in vague bds 32.3732.46										1			1	
40% py/po, sli contort'n 32.5532.64		45°							1			1		
pale green skarny mot'l under po for 6cm						,		1					1	
Sample			32.31	32.67		LJH-120	0.36	-	0.4	0.01	1.2	-	-	
		-												
					-								1	
Skarn			32.82	33.68										
pale green, some actin and qtz	33.1												1	
disem po 32.8232.85							-							~
massive po lo	33.3	60°	-									1	-	
Sample			33.13	33.74		LJH-121	0,61	0.7	1.4	-	7.9	-	-	-
								0.6	1.5	-	6.8	-	-	-
Dolomite			33.68	36.09										
white grey bdd to		70°												
mostly grey to	36.1													
6-13mm white blebs calcite 35.0535.66		_												

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Description		Bdg	Erom	To	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au.	Ag	Mo%	W%	other
HOLE NO. LJU 97-5 PAGE 2 of 5										g/mt	g/mt			
Dolomite, cont'd)														
black irreg blebs of (non-met) fg mix of actin and calc														
vaguely orented // bdg 35.8136.09														
					1						L			
Limestone	·		36,09	40.08							l			
skarny, argillaceous Ls to	36.9	70°												
25mm xtln py 36.88														
cg white Ls with grey bds to	40.1			1										
xtln py 37.06; 37.24; 6cm; with qtz 37.4		70°	1	1	· · · · · · · · · · · · · · · · · · ·	[[1			1		
37.85; 38.16; 38.34; 38.4338.65; 38.9539.13														
39.32; 39.539.65; 39.83 Samples			36.88	38,55		LJH-122	1.68	-	-	- 1	0.5	-	-	-
·			38.55	40.02		LJH-123	1.46	-	0.14	-	0.5	-	-	
an an an an an an an an an an an an an a				1					1	1				
		-	1	1					1	1				
Siliceous Argillite	-		40.08	54.68				† – –		1	1		1	
fault contact gougey 6mm broken for 25cm	1												·· -··	
dense, grey silceous, not bdg	40.9													
tight, gougey fit surface @ 40.54 A 45°									.					
6mm bands of tan-brwn fg non-met, white streak								1	1	1	-	1	1	
40.5440.84 @ 45° (// to fit @ 40.54)		1						1		1	- <u></u>		1	
white qtz with frags of grey-brwn; 40.941.14	-				1									_
micro brxn @	40.9			1					1			1		
pale green with erratic patches and lines of dk green	1							1				· [· · ·		
(actin with occas MoS2) 41.14-42.39 PAGE 3				1				+		1			1-	
tawny with fine gry green speckles and occas		1								-	-		1	
white qtz blb with fine py 40.08-48.67				1					1			Ì		
brwn argles bdg @ 50° @	42.9)	1	1		1			**		1	1		
Sample		1	42.39	45.11		LJH-124	2.71	-	-	0.01	-	-	-	
pale green diops-actin skarn 48.6749.13	-		-1	1	<u> </u>	1			Ì	1				
actin as vague lines and patches				1	-		1	1	-1	1	1		1	
some pinkish no-met hard											~ / ~ ~ ~ ~	-1	1	
dense vfg silic brwn bdd lo 52.67/49.37		50°								1		1	1	
occas erratic patch of grey-green with white				1	-				-				1	
borders of otz. These areas also contain fine					-								1	-
disem py			-	1				1	1	1				~
pale green (simil. to 48.6749.13) 50.9651.39	1			1	-		-	1	1			1	+	
6mm bd fg py @ 75° @	51.2	2		1		1					-			
grey mg mottled Ls garnet @ cntct to	51.4							1	1		+		1	-
13mm diop skarn @ cntct with brwn @ 70° @	51.4							1		1	1	1	1	

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Description		Bdg	From	To	CoroBono	Rame Mr.	Samp/wdth	Ph%	7.0%	A	0.00	<u>Mo%</u>	NA/0/	
OLE NO. LJU 97-5 PAGE 3 of 5		K A A		<u>, v</u>	Corekeçoy		Samp/wom	<u>EP.78</u>	<u> 41170</u>			MO 70	<u>VV 70</u>	other
Silic. Arg. cont'd)						ł				g/mt	g/mc			
grey speckled 52.6753.21	-	65°				l				· · · · · · · · · · · · · · · · · · ·				+
prwn mottled (as 49.13-52.67) to	53.7	<u></u>											I	
grey vaguely bdd grading to pale green		70°												
diopside with fine creamy bds of qtz? 53.7-54.68		10	<u> </u>				ļ							
cntcl with dol irreg @ 50° some grey														+
erratic qtz cntct			-									·	·	4
		ļ						·	┼───		<u> </u>			
		}											<u> </u>	
Dolomite			54 86	56.38								1	1	
grey bdd		60°	104.00	00,00						<u> </u>		<u> </u>	<u> </u>	-
skarny, diops, qtz, actin 55.1755.38														
limey grades to argleous skarn 56.1456.38										┨	┨────			
miley grades to algreeda skatti be, 14-50,30		<u> </u>	-	<u> </u>								 		
					ļ							<u> </u>	ł	
Skarn		· [56 29	60.01									·	
grey arg-sk to	56.8		50,30	100.01		·	.							
green diop/actin/garnet to	57.1											·		
green wkly bdd diops with qtz cutting bdg to	57.9												i	
grey dolo bdd, occas py/sph to	58.9	700										ļ	-	_
Sample	20.9	10*	50.04	0.70		1 11 105							 	_
	60	80°	58.24	58.79		LJH-125	0.55		0.1	-	-		<u> </u>	
grey arg-sk weak bdgto grades to green @ cntct with aplite	00	80°	_							.	-	-	<u> </u>	-
grades to green to chick with apilite	·													4
										-			+	
Intrusive (Aplite)			60.01	64.06			-	-						
fg, while, no mafix, rare MoS2 fleck Sample				64.06		1 11 400	1.00						+	
g, white, no manx, rare Mosz neck Sample			02.10	64.00		LJH-126	1.89	-	-			-		
			···	- <u> </u>									· • · · · · · · · · · · · · · · · · · ·	
Argillaceous Skarn			64 06	74.82	·	+							+	-[
mottled tan with 6mm white qtz along irreg			04.00	14.02		1	+				-			-
fractures 64.0664.61					· ·	•	-{			+				
grey, with brwn bdg of arg to	68.9			·}	·									
py lenses to 6mm_66.38; 66.44; 66.7567.02		-} <i></i> -	- 	-				-						
grey with tan or brwn mottles to	70.7	1	_				-		+	-	-		<u> </u>	
6mm xtn py irreg vnlt sub // CA to	70.1			-		-						+		+
grey with brwn bdg (silic arg) to	72.6	750		-									+	
py similar to 70.1 @ 71.44 Sample	12.0	<u> '</u>	69 97	70,71		LJH-127	0.79			ł				
brwn arg with qtz & 25mm dklts of aplite 72.5774	4 82	+	00.02				-	<u></u>		•				
A THE A STATE A COULD AND A ADDRESS OF A DRESS (2.01-21-	1.02	-[+		·]		-						+	

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Description		<u>Bdg</u>	From	<u>To</u>	CoreRecov	Samp No,	Samp/wdth	Pb%	Zn%			<u>Mo%</u>	<u>₩%</u>	other
HOLE NO. LJu 97-5 PAGE 4 of 5					I		 			g/mt	g/mt			
ntrusive			74.82	75.46		. <u> </u>				·				
ng leuc with fine disem mafix			1				<u> </u>		1					
ower cntct, sharp @ 35° CA					·									
										And Disco for surgery			· · · · · ·	-
			1										<u> </u>	
				·····								1		
Silicified Argillite			75.46	88.36			1					1	1	
	77.7						1							-
occas grey alter'd fract cuts <t bdg<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t>														
bdg vague					· · · · · ·		<u>+</u>	1				<u> </u>		
grey slcfd to	88.3			1	<u> </u>	1	1	1	1	1	1	1	<u> </u>	
white qtz with py/po L CA and // Ca, erratic					·	1	1	<u> </u>	1		\uparrow	1		
8mm @ 10° 78.3378.57; 25mm @ 80° @ 78.64														-
6mm @ 80° @ 78.97; 6mm @ 45° @ 79.24;													· • • • • • • • • • • • • • • • • • • •	-
6mm @ 70° @ 79.4; 13mm @ 10° 79.5579.85									1			<u> </u>		
6mm @ 10° 80.080.28; 6mm @ 80° @ 80.52;			-		· [1	1	1					+
rregular mass ~5cm across @ 80.61 Sample			78.18	81,38		LJH-128	3.2	-	-	-	- 1	- 1	-	-
				82.57		LJH-129					0.3	0.01		-
· · · · · · · · · · · · · · · · · · ·			1						+-		1			
25mm @ 80° @ 80.77; 4cm @ ? @ 80.8			-+								-			
boxwork of 2mm qtz with little po/py 80.9281.99			-1		1		+	1						
micro brxn ? of mottled white and gry brwn 78.18-78.3				· · · · · ·	······································					-		1	1	
qlz po/py @ 80° 82.1182.23			-		1			-						
vuggy white qtz @ 82.38					-	• • • • • • • • • • • • • • • • • • • •	-			+			1	+
grey, vague bdg to no bdg 82.5785.49		70°			-	- <u></u>						· · · · · · · · · · · · · · · · · · ·		
fine 1mm altered fract 'boxwork' 83.21-83.51	·				-					<u> </u>			1	
qtz-po band @ 60° @ 83.85										1	1		T	
py xtls in white qtz 84.7385.49 (broken core)		<u> </u>		1	1								1	
	86,1		- <u> </u>									 		
	86.3			1		**		\top	<u>† </u>	1			<u> </u>	
grey with vague bdg and white 6mm mottles								1			1		1	1
becoming more sille toward intrus entet		75°	-		-		1	1						-
			86.1	87.02	!	LJH-130	0.91	-			0.3	-	-	-
6mm dk lamp dyke? @ 25º @ 87.02 Sample irreg blotches of white qtz with vague borders			_			1	1	1						+
88,0888,36		1	-1	1		-						<u> </u>	†	
		1		1			***	1	1	1	1	1	<u> </u>	
						1		-	-	-1	1	1	1	
		1		-1			1	-		\uparrow			1	
		1		1				-[-	1	t	

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Description		Bdg	From	To	CoreRecov	Samp No,	Samp/wdth	Pb%	Zn%	Au.	Ag	Mo%	W%	other
OLE NO. LJu 97-5 PAGE 5 of 5										g/mt				
ntrusive			88.36	113.9										
g aplite to	88.5		100,00	110.0								·		
ng with leached matic mottles to	88.8		· ·				1							•{
ntermix of sillc brwn arg and intrus and grey arg to					·		· <u> </u>	<u> </u>						
p aplite with qtz and py and minor MoS2 to	90,2	·	<u> </u>											+
Sample	30,2		80 76	90,15		LJH-131	0.39	<u> </u>		0.37	27	0.02		+_
ng granite with relatively fresh mafix except where			105,70	30,15			0.00	-		0.07	2.1	0.02	-	+
cut by late qtz vnlts to	98.8		+					1						
	0.00	1				1		<u> </u>						
25mm qtz on shear @ 30° CA @ 90.15				1		-	_							
gtz in brok area 93.11-93.29	1							1	1	1		<u> </u>		
13mm qtz @ 30° CA @ 93.87			-	1	~ [1	1	-				
3cm dk green mineral with vague borders, segrgns	.* 3	1		1	1			+						1
of 'laths' of pyrite	T	1	-1	1 .				+			-		1	
qtz rich area 94.7995.06				-							-			
gtz rich area 98.7599.24	-				-			1	-					
scat py; occas fleck MoS2 Sample			98.29	99.24	+	LJH-132	0.95	-	-	-	-	-	-	-
		-						1				· · · ·		
mafic rich area to	99.9													
pinkish color (k-felds) @ 101.8				1				1				1		
several 25mm gtz vns 100,82101.49				1										
Sample			100.8	101.6	ì	LJH-133	3 0,82	- 1	-	0.02	0.7	-	- 1	-
mg granite with light green 2-3mm grains to 113.9	9													
of aplite??														
		1						1	1	1		1		
		_			•••••••••••••••••••••••••••••••••••••••							-		
· · · · · · · · · · · · · · · · · · ·													1	
ана а ал на нара и ар н _{ара} ника. Аладария на ар	1	1		1				1		1	-			_
N	1	1		· · · ·				-		-		-	-1	
				1								1	1	
			1			1		-				1	1	
													1	
	1											1	1	
	1					1						1	1	
									1			1		
E. O. H. 113.99														

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		SUL	TAN	MINE	RALS	NC	DIAMO	ND	DRI		OR	FIC	G	
Property: Jersey								Page				<u></u>		
Started: 8 March 1997	Lat *	4431N	Dep *	7775F	Ju 97-6 Col. El.*	4086	Logged by) 0 Mar	ch 97	
Completed:	Beari	na	Dip	90°			Lgth, 113	3 68m		Locat	ion 4	5 C		<u>,</u>
Driller: Allen Potapoff	Core	Size:	BO	Remar	ks: *Mine (Loords ()	moerial)	1				Ĭ		<u>├</u> ──~
		T		, contai				· · · · · · · · · · · · · · · · · · ·			····			
Description		Bdq	From	To	CoreRecov	Samn No	Sampwith	Pb%	Zn%	Δυ	Δa	Mo%	W%	other
HOLE NO, LJu 97-6 PAGE 1 of 5		<u></u>	1.15111	<u></u>	QUIEILECUT		<u>Saultani</u>	<u> </u>	<u> </u>	almt	g/mt	10218	5.1.4.X	<u>Nativi</u>
Casing and Rubble			0	2.13			·		ł	9	9			<u> </u>
		-{		2.10						· ·				
		+												
Lead-Zinc in Dolomite			2.13	2.44	·	· [··								<u>├</u>
Sample		65°	2.13			LJH-134	0.31	0.5	55	0.01				-
Gample		00	2.13	2.44			0.21	- 0.0	+					+
						1			+	+	-		+	
Dolomite			2.44	8,17		+	·	+	+	·	.		- <u> </u>	
argillaceous to	3.05	1	2.44	0.17									·	
blue gre bdd to	3.35			·			-				·			+
healed breccia, angular frags to	5.33												1	
gougey fract @ 20° @ 3.663.96		' 				-				<u> </u>			.	
15cm PbZn Min/zn - 3.843.99		+		ł				.	-					+
Sample		-	3.84	3.99		LJH-135	0.15	0.2	25	0.02	1 55	<u> </u>	-	<u> </u>
bgbdol - 5.338.17		╉───	3.04	5.55	.	LU11-100	Unite		- 0.0	0.02	1.00		-	+
bdd zn - 6.376.67 Sample		75°	6.37	6.67		LJH-136	0.30	0.03	3.1			1	-	+
healed 'crackly breccia' - 6.707.01		10	0.07	0.01			(2 - 21)	10.00	0.1					
healed breccia ~10° CA @ 7.31					· · · · · · · · · · · · · · · · · · ·			-	.			•		
					-	-	-	_					-	+
·		-								-		·		-
						·					-			+
Limestone			8 17	28.22					+		-			1
mg blue grey bdd TO:	8.60	80°	0,11	20,22	-	-							-	+
mg grey with occas blue bds		1 65°												
mg alternating bds grey and blue		60°						-{		-				-
mg blue with occas grey bd		55°		-								-		-
cg white	17.2			1	-	1		-	+		-{	+	1	+
mg blue with faint bdg	18.6			-		-{			·				• • • • • • • • • • • • • • • • • • •	
cg white	19.5				_						+	+		
intermixed grey and blue, poor bdg		2 60°					-							+
cg white, occas speck; 2mm bd sulfide @		2 45°		·										+
cg white, occas speck, 2mm od sunde @ Sample			21 19	22.25		LJH-137	1.07	-	+_	+ -	+ -	-	<u> </u>	
blue bdg - 23.62- 24.05		- 50°	- 21.10	22.25	·		1.01			-			+	+-
speckles of black-green mineral				+	+		+		+	+	+	+		

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		Ţ	T	<u> </u>						<u></u>		<u> </u>	1	
Description		Bdg	From	To	C			0.60/	7-0/				ha (07	
HOLE NO. LJU 97-6 PAGE 2 of 5	{	<u>16.6.8</u>		178	Colevecov	<u>Samp No,</u>	Samp/wdth	<u>FD%</u>	<u>ZN%</u>	f		<u>Mo%</u>	<u>VV %</u>	other
								<u> </u>		g/mt	gimt	ł	 	
									·	1				
(Limestone, cont'd)		 	<u> </u>	l										
fg with hairline py bds (<<1%) 24.6224.9 Sampl	e		24.99	25.97		LJH-138	0,97		-	-	-	-	-	-
po/py in bds to 1cm ~1-2% 24.9925.97	1	50°		<u> </u>	<u> </u>	[1			
xtalline massive white Ls to	26.7							[[—	1		
skarny, grn bds with 1-2% po 27.0927.58 Sample		45°	26.97	27.58		LJH-139	0.61	-	-	-		1	-	-
grey/white xtalllin Ls with to	28.2	[<u> </u>	<u> </u>			[1			1	
7cm bd of massive po, and smaller bds po Sample	•		27.58	28.25		LJH-140	0.67	0.01	-	-	-	-	-	-
	ļ	l]						
Skarn	<u> </u>		28.22	51.84			····				┣—	<u> </u>		
It and dk green, diop and chi?; white calc, grey and white silic		·}	120,22	01.04	-		·[<u> </u>		ł	┨┈╍╌──			
some limey patches for 30cm Sample	<u> </u>	ł	28 25	29.62	┨─────	1 11 4 4 4	1 07	<u> </u>	0.00	┨	┨────	ł	Į	
po blebs to ~1-2% locally throughout	-	┨────	20.23	29.02		LJH-141	1.37		0.03	ļ. <u>-</u>				
white-grey-IV/dk green blotches 29.9630.66	}	┦───	╂───	╞────	<u> </u>	· [·			ļ,	
silica/epidote/actin v minor po		·	+		·{	·{				ļ	·[
gry, minor grn skarn-some trenolite 30.6631.15											 			
Sample		 	100.00	20.00]				1	ļ	<u> </u>			_
xtal faces to 1cm vis		Į	32,03	33,53	-	LJH-142	0.68	<u> ∙</u>	-				· -	<u> </u>
calc on slip @ 35° CA @ 31.36	<u> </u>		+	<u> </u>	·	<u> </u>		ļ		ļ		ļ	 	
black (chl/carb) and grey (limey) mottle 34.2934.	Ļ	 		<u> </u>	┣────	<u> </u> _	ļ	ļ	<u>]</u>		-			
	9			0	ļ						<u> </u>			
w po to 10-20% in black areas Sample po incr to 10% in dk bds 36.637.3			34.32	35.14	·	LJH-143	0.82		-	-	└-		-	
	┦───	I	+		ļ			ļ	ļ					
			36.6		<u> </u>	LJH-144	average and the second second	-			-	-	-	-
grey Ls bleb with <1% sph and po_39.7139.96 have po to 10% - 39.32; 40.3240.84;		· •	The second second second second second second second second second second second second second second second se	39.47		LJH-145			-	<u> -</u>	<u> </u>	-	-	
	┨	·}		40.02		LJH-146							-	-
40.9941.3; 41.9742.27; 43.07	<u> </u>			40.84		LJH-147		-	-	<u> </u>	<u> </u>	-	-	-
25mm serp/cc slip bd @ 80° CA - 44.41		ļ		42.36		LJH-148			-	-			-	-
2cm sph bleb w occ specks - 44.83	<u></u>	ł		45.75	.[LJH-149		-	-	-	5.7		-	-
sph band @ 40° - 1cm w gal and hairline 45.414				47.67		LJH-150		-	-	0.02	_	-	-	-
sph/gan of fracts to ~1% sph and .5% gal in mottle	<u>d</u>			48.09		LJH-151	0.42		-	-	-	-	-	-
grey/green skarn	<u> </u>	1		48.98		LJH-152			-	-	-	-	-	-
po blebs to 5% to 47.7	·			49.83		LJH-153					-		-	-
20% po, 1% sph, 1% gal; to 48.03			49.83	50,96	<u> </u>	LJH-154	1.13	-	-	-	-	-	-	
dolomitic, narrow po/py - 48.3748.98	l	.[1	L	<u> </u>						1			+
(2% total Su's) sph/gal band		<u> </u>							1		1			
20% po blebs and bds (minor sph/gal) to		~30°	<u> </u>					1	1	1	1		1	1
massive po (minor py) to (-Sample)	49.7		51.51	51.9	1	LJH-155	0,39	-	- 1	- 1	-	-	-	+ -

Description		Bdq	From	То	CoreRecov	Samp No	Samp/wdth	Pb%	Zn%	Αιι	Aσ	Mo%	W%	other
OLE NO. LJu 97-6 PAGE 3 of 5					CONNECOY	Dallip NO.	Samprwum	<u>1-14-18</u>		g/mt		101218	4.2	POULEL
Skarn, cont'd)							·			9,	9			
imestone, warpy bds, minor po/py	50.1					·		·			·		·	
bale green, mssive sk with 20% diss po to	50.4							<u> </u>					-	+
nottled sk with 20% blebs - 50,5050,93	00.1		-			·		ł		1			•••••••••••••••••••••••••••••••••••••••	
mestone - tr po/py to	51,3				1			<u> </u>				· · ·		
					··								1	+
imestone			51.84	56.02							-			1
wh and grey massive to bdd, crystalline		70°					· · · · · · · · · · · · · · · · · · ·		·	1	1	İ	1	+
ninor py/po in bds (<1%) - 52.9453.24			+			· · · · · · · · · · · · · · · · · · ·	1			1			1	-
							{				1		1	-
Dolomite (contact grades)		70°	56,02	58.91	<u> </u>	 	<u> </u>	<u> </u>			•			-
g wh-grey, po/py/minor sph in bds to 10% - Samp				57.15		LJH-156	1.04	0.04	0.05	-	-	-	-	-
skarny with 20% po and py blebs - mottled 57.15-57.57	1						1							-
- Sample			57,15	57.57	<u> </u>	LJH-157	0.42	0.04	0.04	-	-	-	-	1-
plack, fg bdd dolo, 10% po/py to	57.9	75°				· · · · · · · · · · · · · · · · · · ·	<u></u>							
plack and wht bdd dolo with 5% py>po to	58.9	65°						1						
and minor sph ⁻ - Sample	<u> </u>		57.57	58.58		LJH-158	1.01	-	-	-	-	-	-	
25mm massive py @ 58.09				1										
	1	· ·								1	1	1		+
														-
Limestone (contact grades)	1		58.91	61.66					1		1			
-Sample				64.19		LJH-159	1.47	0.6	0.4	-	3	-	-	
grey, massive, coarse xtalline with bds of dk grey									1	1				
incr. down section, Tr. sus		70°					1	1						
														-
			-	1										~
Dolomite	T		61,66	64,19									1	
dk grey/black fg bdd, to med grey, fg massive		70°								-	-			
wk brxx for 30cm before sulfide zone										-				1
heavy py - wk bdg and brxx - 62.7264.19		75°												
(~60% py and 2-5% sph 1st 30cm, then <1% sph in rest)														-
Argillite		50°	64.19	113.7		ļ		ļ						
serp slip o contact @ 50° CA (// to bds in arg)		<u> </u>	_		1									
fg dk brwn-black to dk green, brwn areas may be					- <u> </u>			1	_	1	1	<u> </u>	-	
2nd bio and green areas are hard skarny -Sample		.	66.66	67,81		LJH-160	1.15	-	-	-	-	-	-	
tr py on slips along bdg. 1st 9m hard and skarny,														
<u>1-2% po - minor py @ 66.14 and from 66.4467.9</u>		-			.	_		-	-					
25mm brxx gtz-cb vnlt with 30% po @ 55° CA -	69.3				_	-				_	_	_		_
25mm brxx gtz-cb vnlt with 30% po @ 55° CA -	69.6	1			<u> </u>					1		<u> </u>		1

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Description	Bdg	From	To	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Ag	Mo%	W%	other
OLE NO. LJU 97-6 PAGE 4 of 5									g/mt	g/mt			1
Argillite, cont'd)													
prxx minor cc in filling 70.7171.17											1		
8 gouge brxx @ 15º CA @73.94, minor qtz @ 76.2	60°											1	
Sample		75.56	76.16		LJH-161	0.6	-	-	-	-	-	-	-
ncr po/py 1-2% 75.5676.16; 76.74; 78.6378.94													_
ellow fluor, powellite? to .5% 75.5975.89									1	1			
(?? no Mo in assay)													
ncr py>po to ~1% in fine bds and along fract // bdg											1		
at 79.7; 80.31; 84.9885.34			1			[-	1		-
incr bio and pale mica in It blebs-bds - 83.3984.12							1	1			1	-	-
pale grey-green bdd - 85.6185.8; sl. fract @ 85.34	50°	-1							1				
hard and skarny(?) fg										1			
pale grey-green, soft dyke with augite phenos			-						1		1		
to 30% - may be lamp? - 85.8687.11								†	1	1			-
py incr at margins to 10% for 6cm							<u> </u>	<u> </u>		1			
qtz-serp brxx zone, 87.0287.11, ~50° CA no Sus				· · · ·								-	
6cm brxx zone xarts bdg @ 87.62 (drawing)						-		<u> </u>			1	1	-
py minor po to 2-5% - 89.9190/22			1			1	1		·		-	· }	~
py, minor po to %% on fracts - 90.8991.25						-			1	1			
from ~85.34 on argl is more siliceous, still fg			1							+			
green-grey, minor brwn, bds ~ 50°			• • • • • • • • • • • • • • • • • • • •				1	-		1	-	1	-
py to 5% in fracts // to xcut core - 92.65-93.08 SAMPLE		92.65	5 93.08	3	LJH-162	0.43			0.01				1 -
13mm py vnlt with cc @ 35° CA @ 94.6	_		1			1	1						
19mm qtz vein-white @ 95.09, barren @ 12º CA @ 94.48		-	-	-		1	1						
granitic dyke, qtz, pale green mica - 97.0797.44		_			1	1					•••••		
with xcutting massive qtz stringer to 13mm, dyke warpy			-	-	1	-			-	-	· .	•	~
with critcts ~40° CA L bdg @ 100.58	55°							+			_		
13mm white qtz vein @ 40° CA @ 101.98					··· [································			+	+			-	
3cm white qtz vein @ 10° CA @ 103.93 runs												-{	+
down core for >30cm									_				
core is dk grey, fg finely laminate around 104.55	<u> </u>		-			·	···					+	
at 60° CA - 105.15			+	-	+	1							
			-			- 		+		-		-	
· · · · · · · · · · · · · · · · · · ·		_					-			_	-{		
							-\						_
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Description	Bdg	From	То	CoreRecov	Same No	Samp/wdth	Pb%	Zn%	Au	Αα	Mo%	W%	other
HOLE NO. LJU 97-6 PAGE 5 of 5			· · · · · · · · · · · · · · · · · · ·			The second second second second second second second second second second second second second second second se	<u></u>			g/mt			
			1			<u> </u>				<u></u>			1
													-
												1	+
													-
						1							-
												1	
rom 105.76 on - more biotitic with fg mica along						1					1	1	
ods, still silic - looks like Leroy arg from drilling			1								-		-
13mm gtz veln with green specks @ 45° CA @ 106.67	50°					1		Ì	Ì	Ì	1	1	
L to bedding								1	1	1			
3mm qtz vein @ 10º CA @ 107.1 - warpy										-			
25mm gtz vein @ 10° CA @ 108.41 with minor py blebs													
gtz blebs to 40° core, 109.05109.17			<u> </u>										
13mm white gtz vein @ 10° CA @ 110.64													
vfg and v dk grey bdd on 111.7; 112.16	45°		·										
less mica	·												
minor py on fract @112.16													
Incr. It mica 112.16112.62											1		
0.5cm bleb py - 112.86				_								<u> </u>	_
							1						
												1	
E. O. H. 113.68			ļ										
· · · · · · · · · · · · · · · · · · ·				-					-				
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			~ {	-	+		~	-			1	+	
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		JUL				<u></u>	DIAMO		~ 1311				^	
Property: Jersey		L	Hole I	<u>No. L</u>	<u>Ju 97-7</u>	<u> </u>	Logged by	Page		<u>or :</u>	2	07		
tarted: 29 March 1997	Lat * !	5425N	Dep *	8356E	<u>Col. El.* /</u>	4321	Logged by		<u> </u>	ATE:	1 Apri	97		.I
Completed: 2 April 1997	8earing	1-239°Az	Dip -	44°			Lgth. 69.	19m	Locatio	n: 52E	Holg at :	5. End I		one
Priller: Allen Potapoff	Core	Size: E	30	Remar	ks: Testing	area adj	acent to dd	n 94-0	1VI-) 8	ine Co	borus-	imper f		
Description		Bdg	From	Το	CoreRecov	Şamp No.	Samp/wdth	Pb%	<u>Zn%</u>	Au.		<u>Mo%</u>	W%	oth
OLE NO. LJu 97-7 PAGE 1 of 5		[g/mt	g/mt			
	Į	l	1											
Rubble			0	1.52										↓
		-												
												ļ		1
Skarn			1.52	2.13									ļ	_
green diop														_
strong blue/white flouresc 6cm immed above cntct							<u> </u>		<u> </u>			·		
						<u>_</u>]			<u> </u>	<u> </u>			ļ	_ _
				ļ					ļ					_
								1	ļ	<u> </u>				+
Limey Dolomite			2.13	4.26	-			.	 			_		
g creamy-ink with dk grn chlor mottles and streak	S									 			.	_
× ×				_				_			_		<u> </u>	
та									4	<u> </u>				
				<u>- </u>		_	_					-		_ _
Silicified Arallite			4.26	7.31				_	1				_	
vfg hard, grey with occas lighter grey	_								.	.				_
and brwn streaks				_				_	-		-			
occas bdg relict arg bdg	_	45°	_							_			_	
3mm qtz @ 90° @ 4.72 (not continuous across c	ore)						-							+
irrea 2-3cm atz sub // CA @ 6.09					_									
py/po as fg distinct xtals in blebs and bands		_					_			-1	_			- -
and dissems (<5%)		_	_					<u>_</u>	10.00				_	
Sample		_	4.88	<u>3 7.3</u>	1	LJH-16	4 2.43	3 -	<u> U,U</u>	2 0.0	<u> -</u>			+
	_					_							+	
								_	-					+
Dolomite	_	_	7.3	1 8.2	3		_	_						
grey fg vague bdg; some blue grey									_		_			
sharp cntct with sil arg, healed brx				_						+				-+
4mm band calitic mat'l @ 80°												_		
slicken 1mm shear @ 7.77 @ 50°								_					•	
mat'l under shear is limey with some dolo x'ns to	8.23													+
mg speckled grey and white Ls 8.238.32				<u>l</u>		<u> </u>								

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				1							1		1	·
Description		Bdg	From	Το	CoreRecov	Samo No	Samp/wdth	Pb%	Zn%	Au	Aα	<u>Mo%</u>	W%	other
HOLE NO. LJu 97-7 PAGE 2 of 5		·····					No. 12 March			g/mt	o/mt	111-2 10	<u>/x</u>	other
	<u> </u>		·· <u>†</u>	<u> </u>	<u>}</u>	· •	1		}−	grin	Butt	·}		-}
Imestone			8.23	21.33									···	
ng blue grey vaguely bdd	9.14	80°	1 0.20	21.00								<u> </u>		_ <u>_</u>
lamp dyke 11.5511.95				Ì~		·]·		<u>}</u>					}	+
contacts upper 80° chilled				<u> </u>		<u> </u>	<u> </u>				·			
lower 60° chilled		<i> </i>								· [+			<u></u>	
dk green equigan			-}	1		· ···	<u>}</u>							
mg grey while 11.9512.95		<u>_</u>			·	· · · · · · · · · · · · · · · · · · ·					<u> </u>			
vague bdg	125	600											l	
sil arg: grey brwn @ cntct_to	12.5 13.5	60°					<u> </u>			╊				
brwn 13.3213.47		<u> </u>	-	┽╶╼──	<u> .</u>		+	·					 	
green diop garn skarn to	. 13.5	<u> </u>	-	<u> </u>	 		+	·	┼───		.	<u> </u>		
cg white Ls to	13.9	}	-		·}···		1					┦	}	_}
diop garn skto	14.1	450			+			<u> </u>				<u> </u>		<u> </u>
cg Ls to	21.3	70			+		<u> </u>				·			
vague bdg of grey	14.6	259			·}				┨────	·	+			
~ 30cm white with contorted blue bds before				· [·	· /							
contact with skarn @ 21.33				┨── ───				+		·	. .			
				┼──~	·			<u> </u>		·	}	┨		
· · · · · · · · · · · · · · · · · · ·			-							·	·			
		·									╂────			
Skarn			01 22	22.68	-}	·	}		}		-l		[}──→	<u> </u>
fg dense green	<u>_</u>		21.33	22.00	·			 	·		+	 	<u>-</u>	
brwn arg (partial silicn) to	21.5	· [·					<u> </u>
garnet vesuv to	21.6	}			<u> </u>	·	+	·}				<u></u>		- <u> </u>
pale green with pink irreg bds to	22.7				·}			<u> </u>	.	<u>+</u>	<u> </u>	ļ		-
g py near 22.68		10.			·	·	·		·					_
contact		65°					+					·	 	
		00-					<u> </u>			·				
			-[ļ					
		·}		<u> </u>					ļ	·~	+			
Arging Limestone			100.00	0.1.1	· [_
Argics Limestone	╤		22.68	24.14	·	 	. <u> </u>	 	.	<u> </u>	∔			
limey mg, dirty brwn mottles of garnet	<u> </u> ~~	000			<u> </u>				 	 	\			<u> </u>
urwin mottles of garnet		60°					ļ	<u> </u>	 		ļ			
·				-l	·	·	·	 		ļ	L			
			<u> </u>	-h		· ·	<u> </u>		L					
			<u> </u>											
Silicified Brown Argillite	₌		24.14	26.73							[1
mainly brwn bdd with pyritic gtz bds // bdg		7 5 °											\	
leaching to grey within 2mm of qtz				1	1			<u> </u>			-	1	r	1

Description		Dd-	Eterra	T-					-					ł
HOLE NO. LJU 97-7 PAGE 3 of 5		<u>Bdg</u>	From	10	<u>CoreRecov</u>	Samp No.	Samp/wdth	Pb%	Zn%			<u>Mo%</u>	<u>₩%</u>	other
HOLE NO. LUL #1-1 FAGE 201 3										g/mt	g/mt	<u> </u>		-
(Silicified Brown Arg. cont'd)		~	+						<u> </u>			<u> </u>		
some qtz follows fracts other than bdg					<u> </u>									
leaching effect there also						·								-
grey leached arg predom's from 25.72		~	<u>+</u>		<u> </u>		{	·		1		+		+
green talc on fract @ 26.36							<u> </u>		·		-			
imey section 26.5226.73			1							<u>∤</u>				+
irreg masses to 2cm of choritic lime mat'l (brx?),											<u> </u>	1		+
darker than receding leached grey							<u> </u>					<u>├</u> ──	<u> </u>	
pink with pale grn for 6cm @ 26.73				· · · _						<u> </u>		· [·		+
pink may be rhodonite (vfg hard)			1	·			t				1	· · · · · · · · · · · · · · · · · · ·		+
contact of pink ~60°				<u> </u>			<u> </u>							+
			1		+	· [· · · · · · · · · · · · · · · · · ·	<u> </u>	1	†	·		1	····	+
			+	1	· · · · · · · · · · · · · · · · · · ·		<u> </u>	+					<u> </u>	+
					{	· /				<u> </u>		<u> </u>	∤	
Dolomite			26.73	28.22		·	· • • • • • • • • • • • • • • • • • • •	·						
vfg grey, not bdd, occas chlor bleb												ł	<u> </u>	+
grades to limey grey to	27.4							†					┨────	
skarny, chlor, diops and occas garnet to	28.2			1						· •				
vague bdg mear contact	28	50°							~					
			1		1		1		1	·				+
					<u> </u>	1			1	1	1		<u> </u>	
										1			·	
Silicified Argilite			28.22	31.39						1				Cu
mainly grey with vague bdg Sample			27.83	29.14		LJH-165	1.31	-	-	-	-	-	-	0.00
5cm band solid po 28.2228.27 po		85°												<u> </u>
grey with flecks brwn mica 28.6529.1		-												+
pyritic also							1	1		1		1		
vague bdg	30	50°					1	1	T	·†		1	<u> </u>	
limey grey speckled 30.3330.6														1
green-brwn diop garn sk 30.631.36										T		1		+
contorted Sample			30.6	32.4		LJH-174	1.8	-	-	-	-	-	-	
po, 4cm ~80%, lower cont 50° @ 31.39														1
wk fluoresc, pale yellow specks 29.2529.56	ļ	Į	<u> </u>	<u> </u>	L									
brwn bdd silic arg 31.3932.15	ļ	70°		<u> </u>	L	<u> </u>	<u> </u>							1
irreg 3-4mm bds qtz-py					<u>_</u>							1		T
6cm limey section	·	<u> </u>												1
	 	\		1	<u> </u>									1
								1			1	1		1

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			1			· · · · · · · · · · · · · · · · · · ·			<u></u>	1	r	1	F	
Description		Bdg	From	To	ContResour	Course Ma	Dominiku 111		7-10/	A			h	
HOLE NO. LJU 97-7 PAGE 4 of 5	·	보변환		<u></u>	Coregeçov	Samp No.	Samp/wdth	FU 76	<u>K.1170</u>	AU.	<u>ag</u> g/mt	<u>Mo%</u>	<u>VY 70</u>	other
									·	gnnt	<u>gun</u>			
Intrusive			32.31	54.46										
tight cntct @ 40° CA			02.01	<u>e n. 10</u>		· · · · · · · · · · · · · · · · · · ·					<u> </u>		I	+
fg, malic poor (<2%) aplite,fresh - 35.75 -Samples			32.95	34.77		LJH-175	1.82	-		-	<u> </u>		<u> </u>	
fine dissem MoS2				35.75		LJH-166	0.98		<u> </u>	<u>├</u>	<u> </u>	<u>+-</u>	<u> </u>	~{
slightly coarser grained 37.6740.65				37.7	<u></u>	LJH-176	1.95		·} <u>-</u>	-	<u>-</u>	0.01		+
maficx ~5%							1.00					10.01	<u> </u>	
5cm qtz rich @ 40.66 @ 55°									<u> </u>	-			<u>├</u> ~	
fg mafic-poor as 32.31-35.75; 40.66-41.66			-			·			+	i		· 		
sli coarser with conspic white felds., mafics up to		 		t	<u> </u>	{	↓		<u>∤</u>	<u> </u>	{——			-{
5%, sli leached to	42.6			<u> </u>	 	·			+	<u> </u>				
fg mafic-poor to	44.5		1	t		· <u> </u>			+		- <u> </u>	<u> </u>		
sli coarser with mafics <5% to	54.5		+	<u>†</u>	<u> </u>	+		<u> </u>		<u> </u>	· <u> </u>			+
30cm fg leuco (mafic-poor) @ 46.94			-	····-					+		+	·		
10cm fg leuco (mafic-poor) @ 47.85									┼───	 	├───	· <u> </u> -···		
30cm fg leuco (mafic-poor) @ 49.68				t	· · · · · · · · · · · · · · · · · · ·				·		·· •·			
3cm qtz @ 40° @ 49.07 - fuzzy contacts					<u></u>									+
2cm qtz @ 50° @ 51.96							r		1	<u> </u>				
fine py, to 3%, cntcts fairly sharp				[1	↓	[<u>├</u> ──~	{·		[——		<u> </u>	
											<u>†</u>			
									1	 		·····	<u> </u>	-
Intrusive (vfg.aplite)			54.46	60.04			1		-	-		<u> </u>		
garnet/vesuv mass with calc to	54.6													
mainly solid grey with flecks chlor and py												· [·	 	
scat angular masses of carnet to 4cm; irreg			_					[<u> </u>			
masses with interstitial gtz to	55.5										<u> </u>	· [—	+
Samples				55,47		LJH-167	1.01	-		-	-	-		
			55.47	57.3		LJH-168	1.83	-	-	<u> </u>	-	-	<u> </u>	-
from 55.760.0, mainly vfg, almot glassy aplite	l			L							[<u> </u>	-1
with flecks of chlor and py												1		-
almost no maficx Sample	I		57.3	60.04		LJH-169	2.74	-	-	-	-	-	-	-
gougey broken core 59.0459.43		<u> </u>		L										
49cm core recovered	L	L		L	ļ									
Recovery from 58.8760.04 = 91cm					0.91\1.22									1
·		<u> </u>		L										7
										L				
	<u> </u>	<u> </u>												
		ļ		ļ. <u>.</u>									\	

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Description		<u>Bdg</u>	From	То	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Aa	<u>Mo%</u>	w%	other
OLE NO. LJu 97-7 PAGE 5 of 5	~		<u>, , , , , , , , , , , , , , , , , , , </u>	<u> </u>			CHILIN HOLD			a/mt	g/mt	10.072	<u>+ 1./ 1</u>	<u>Viler</u>
		-							·· <u> </u>	<u></u>		l		+
Argillite			60.04	60.96		1								~
nainly grey brwn bdd		40°	-			[·								
rey is silic brwn arg Sample			60.04	60,96		LJH-170	0.92			-		-	-	
occas 3mm qtz band with beads of py // bdg			-							· · ·				-
				1		· · · · · · · · · · · · · · · · · · ·	[
											1	┼──		-
ntrusive		-	60.96	62.97						1	1		1	1
g, very minor mafix (mostly faded, leached)											1	<u> </u>		
Sample			60.96	62.97		LJH-171	2.01		<u> </u>	-	<u> </u>		-	
a sect'n (inclu'n?) brwn arg and skarn - 61.3261.6	6													-
sharp cntct @ 62.97 @ 50° CA											1	 		1
occas calcite vnlt						1						1	[
					^	1								
						<u> </u>	<u> </u>	·				<u> </u>		
Araillite (silicified)			62.97	69,19		·		<u> </u>		<u> </u>				
mainly grey silic, vague bdg	64	40°			<u>+</u>	1	1					<u> </u>		+
	64.5				·	· •								
garnet, fenous 63.2763.39 - minor py, po												<u> </u>		
Sample		-·	62.97	65,53		LJH-172	2.56			-		-	-	
calcitic xn 63.3963.64										·	<u>†</u>		·	
tawny, tan colored silic'n to	64.2]				1						<u> </u>	<u> </u>	
streaky appearance		1		·{	-{			+			1	<u> </u>		-{
scat py in 1mm vnits and blebs <5%	·			1			<u>+</u>				-		i	
occas 4mm calc vnlt (across or with bdg) 64.6 bdg		25°								-				~
streaky greenish silic'n_ to	64.9						· [-			
grey with brwn streaks of brwn arg to	69.2				<u> </u>		·							
mainly light green 67.7268.27		30°			·		1				†		i	
hardness sli less than 5			-		· • · ·		t							
talcy of fracts				1	+		<u> </u>	-}	<u>}</u>	·	-	┼───		1
occas chlorite					1		<u> </u>	-	- h				<u> </u>	·
2cm qtz vn @ 68.15				1	- <u> </u>		t	1		-	1	<u> </u>		+
dense white with gry grn mottles				-	1		<u> </u>		1	1				-
sharp cntcts 80° upper			-	1	- 		1	1			1	·	1	
(3cm wide here) 45° lower		1	•••	1			1	1	<u> </u>		1	+		+
Sample		1	65.53	69.19		LJH-173	3.66	-		- 1				
	[-1	1		-	+				1		1	
······	<u> </u>			1			+	1	+			+	·†	

CALORINA DISALAH CU DARAHAR PARANAN MANANAN MANANAN MANANAN MANANAN

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Property: Jersey		ł	HALA	No L	1.07 9			Doo	~ 1	~ 0			<u>)G</u>	
Started: 2 April 1997	l at *	5425N	Den *	8354F	Col EL*	4321	Logged by				April	07	<u> </u>	
Completed: 8 April 1997	Bear'o	-239º A7	Dip	240		1021	Logged b	6 70m			April Hon: 5	<u> 2 E U</u>	l eading	.
Driller: Allen Potapoff	Core	Size: 1	B	Remar	ks: *Mine	Coords (Jegur, 120 Imperial)			LUCA			eaung	!}
Description			From	То	CoreRecov	Samp No	Samp/wdth	Ph%	7 n%	Διι	Δπ	Mo%	10/0/	
HOLE NO, LJu 97-8 PAGE 1 of 8			<u></u>		OUI EILEC PY		Samprwan	<u> </u>	<u>~/v</u>	a/mt	g/mt	1110 70	<u>1119</u>	other
Casing			0	0.91									1	
·		.												
Skarn		<u> </u>	0.04	-	 	·								
5cm section fluorescent: ~2% WO3		1	0,91	1.22		+	- <u> </u>			-I		<u> </u>	<u> </u>	
green diops with garnet			+	· ·	·	+						 	<u> </u>	
			-											-
······································				1	·			· [
Limestone		- - 	1,22	1.83			<u> </u>		-					
grey speckled, poor bdg	~~	65°	1,22	1.00				-						
			1											
				1	·	•								
						-		-		•				
Dolomite			1.58	1.83		·						·		
skarny cream with brwn streaks			~[·	-	-		-				-
				1		-	-			-				
				<u> </u>				1				1		
									-				1	
Silicified Argillite			1.83	4.24										
mainly brwn with 2-3mm vnlts qtz with py														
(bead-like) vfg, hard			- 	ļ										
qtz vnlts mainly // bdg		50°				-				<u> </u>				
lower cntct with Ls @ 65° 2cm green diop @ cntct				·				_						
Acm moltled white-grey qtz @ Ls cntct		-		······	-			-						<u> </u>
Tour moniou mine-gray diz to La Gillor			-}	+				-				·		
								+						
		1	+	·	-					-				+
Limestone			4.24	17.77		-	1		+				+	-[
mainly grey blue with white mottles <1mm		1	1		+		+	+	+	· ···-		<u> </u>		
g white dol 5.216.25			-1	1		-	1		1			+	<u> </u>	-
grey, grading to cg white 13.4114.75					•	1			1		·			-1
mainly brwn bdd, with chlor	15	20°	1		1		÷1			-	-		1	

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Description		Bdq	From	То	CoreRecov	Samp No	Samp/wdth	Pb%	Zn%	Au	Aa	Mo%	W%	other
HOLE NO. LJu 97-8 PAGE 2 of 8						<u>zaure</u> zi	AMORACERO.				g/mt		<u> </u>	- Joshigi
(Limestone, cont'd)									.	9	9,			
grey xscn to	16.2											·		1
1mm po @ 15.85 @ 30°		·	-											
grey f - mg grey speckled to	17.7		<u> </u>				·	l						-
5cm band brwn arg with minor py		1		· · · · · · · · · · · · · · · · · · ·										
sharp cntct @ 35°								- -						
					· · · · · · · · · · · · · · · · · · ·						1			1
							-	<u> </u>				Ì	}	
			+											+
Dolomite		1	17.77	23.96										
mainly fg white with occas vague bnd of grey bdg	<u> </u>		1				<u>+</u>							
fairly uniform throughout				<u> </u>	·		-							• [
sharp cntct with granite @ 35°		1		<u> </u>		······	· • • • • • • • • • • • • • • • • • • •							+
	·						<u> </u>							+
	<u> </u>						-					·		
		1									1			-
Intrusive		- 	23.96	39.04		1		·}						
vig cnict for 5cm white siliceous			-			· · · ·	-							-
fg with mafic specks (peppered)	<u> </u>		-				<u> </u>				-			+
fg, no mafix, minor blue and black sulfides					~~··· ~ ~~~~	· · · · · · · · · · · · · · · · · · ·								
vf <1mm 25.625.91 Sample	1		25.6	26.21		LJH-177	. 6			-	-	-		
clusters of chloritic 26.5226.82			20.0	20.21								-	-	<u> </u>
1cm qtz with white mica and py @ 28.31 @ 40°			-				<u> </u>					{·		┥───
mg pinkish 32.4332.76														
K-felds ? and qtz with minor mafix				·{·	· · · · · · · · · · · · · · · · · · ·								·	
fg, los mafix 34.935.81 Sample	 		240	35,96		LJH-178	1,06			<u> </u>				
3cm band of fg low mafix with <0.5mm specks		•	34,9	130,90			1.40		-	-				
of brwn-red non-metallic, gives red speckled		•					-]				·	
appearance <5% red 36.0636.08		-					·							
appearance <5% red 36.0636.08 gradational cntct	<u> </u>						+							
		+		- 	· · · · · · · · · · · · · · · · · · ·	-								
heated breccia criticit at 39.04							1				-			
angular green frags to 1cm of serp? cntct @ 50°		-	-							-	1			
					·									
					l	-		-			-			
Delevelle and Unextern		-	00.01	1								-		╡───
Dolomite and Limestone		-	39.04	40.35	4								<u> </u>	
green diop-garn sk for 4cm at cntct	1	1			.		-	<u> </u>						_
very while fg dol with occas brwn garn to 129.6	_		_			-						·		
grey mg Ls with occas of above to 132.4	1	1												

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Description	Bdq	From	То	CoreRecov	Same Me	Samp/wdth	Ph%	7n%	Διι	Δn	Mo%	W%	other
IOLE NO. LJu 97-8 PAGE 3 of 8			<u>17</u>	<u>călauttănă</u>	Salinh lan ¹	Saubuward	1 0 70		g/mt		11070	11/0	
Skarn	_	40.35	41.39						ginn	ann.		 	
ale green vfg with occas dk green chlor											<u> </u>		-
mm vnlt or cluster, some grey silic also	-		[]							-			
min mit er eldster, some grey bille dise			[·	<u> </u>	·[+
· · · · · · · · · · · · · · · · · · ·	-1								l				
	-1							·				<u> </u>	
Silicified Arglillite		41 39	45.23				<u> </u>		i				-
fg hard grey with wispy brwn remnants arg	•			·				 					
poccas qtz-py mass to 2cm													•
occas qtz-py veinlet to 5mm			·							· 			~
grey with erratic fracture fillings of chlor - 44.04-45.23		~-{									+	·	
sharp contact @ 75°			╂										
												∤	
			·		<u> </u>	ļ	·						
			·							.			
		45.00	47.05										
Limestone silic white, hard 45.2345.38	_	45.23	47.85								-		
grey speckled, occas white boudin of gtz to 3mm													
may follow bdg	-												
												· ·	-i
2-3mm blebs garnet in grey Ls 46.2347.06 fluorescent @ skarn ~6cm ~1% WO3		_											
cntct with green skarn @ 50° @ 47.06	· • • • • • • • • • • • • • • • • • • •	-						·	·				
silic'd Ls 47.0647.85		•				-			-			·	~
	-	_			·								
light green color, vfg					-	-	-				· [- ···	-1	
2mm qtz vnits and one 7mm clear qtz @ 45° near cntct Sample	_	40.57	47.85		1 11 170	4.00	_	-i					~
	_	-40.07	47.00		LJH-179	1.28					<u> -</u>	-	
		_	- <u> </u>	-								_	
Intrusive		47.95	58.21			-							
		47.00	50.ZT		<u> </u>	+							
sharp cntct @ 45° mainly fine-mg mafic-poor, slightly pinkish color						_							_
occas chlorite bleb	_					-+			┨────				~
The second		17 00	50.59		LJH-180	2.74			-				
occas fleck muscovite Samples													
CORE TUBE MISLATCH: ~1.83M OF CORE GROUNI	<u>, </u>	_ <u>[30.59</u>	103.46	1.22\3.05	101-101	3.05						-	_ <u>_</u>
OURE TOBE WISLATON, ~1.00WIOF CORE GROUND	<u>, </u>			·									_
	_		50.00	┨┈────		0.00		0.00			. 	-	~
		53.40	56.69	1	LJH-182	3.05		0.02	<u> </u>		-		
rusty small vugs in angular fract'd apl 56.69-57.48		56.69		I	1			1	1		1	1	1

Description		Bda	From	Το	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Aa	Mo%	W%	other
OLE NO. LJu 97-8 PAGE 4 of 8			-							g/mt			*****	
Intrusive, cont'd)		-		[9			
nealed breccia to	58.2				·					1				
Irags 1cm-5cm						· ··								-
calcitic 'cement'					·	1								
green tinge due to chlorite		· · · ·							1					
sharp cntct @ 60° Sample	1	•	57.49	58.49		LJH-184	1	0.01	0.01	-	1.5	0.03	-	-
Limentone			59.04	65.65				 		-				
Limestone			50.21	00.00				<u> </u>	┼			 		-
dirty grey at sharp (slip?) cntct @ 60°	-		+			+	+		.					
minor xtall py <5% sulfide 90% py 5% po 58.4958.67			+		<u> </u>							<u> </u>		
sulfide 90% py 5% po 58.4958.67 upper cntct - 25°; lower - 60° Sample			58 40	58.76		LJH-185	0.27			0.04	2.1		· ·····	<u>Cu</u>
cg white Ls to	59.4		100.49	130.10		100 ILUN-100	0.27	-	+	10.04	Z.I			<u>-</u>
blue grey bdd (erratic)							·	+						+
white cg 57.0957.7							·{		·[
	57.8						1	<u> </u>			-			
	61.7													_
grey cg to vague bdg		45°		·			-		-	-				
fg bg irreg bdd dolo to	62.4	-10	+						-					<u>-</u>
upper cnict @ 45°				·	<u> </u>									
cg grey Ls, bague bdg					· 			+	- <u> </u>					_
6cm white gouge ~ 85° CA @ 62.36						1	1						· [-
diop garn skarn 62.51–62.66					•	•					-}	ł		
3mm garnet bds 64.465.1	-		-		<u> </u>		· 			•				-
bdd diop garn sk 45° to	65.6					-			1	-			•	
irreg bds pink rhodon 75° 65.5365.65				···	· {		-	1	1					
		<u> </u>			+	-	·· · - · - · - · · · ·	-					+	-
			-		1	1		-	-		+	+	•	
h -				-{	-	1	-	1			1	+	+	
SIIIcified Argillite		1	65.65	66.17		+	· / · · · · · · · · · · · · · · · · · ·	-					1	
fg brwn grey bdd arg			100.00		-	1							†	
- a with Broy word wig											-	-		
and the stand of t				1	1			-			-		1	
Limestone		<u> </u>	66 17	66.75	- 		1						-	
dirty grey brwn mg Ls		1	-100,17	100.70	·				╌┨╼╍╌╾╼		-			
						1								
						_ 	_		_				~ ~~~	_

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Description		<u> Bdg</u>	From	To	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Ag	Mo%	W%	other
HOLE NO. LJu 97-8 PAGE 5 of 8										g/mt	g/mt			
Dolomite			66.75	76.32						-	1			1
blue grey bdd to	67.4	40°			1			·····			1	r		1
diops actinolite sk to 67.45 Sample			67.45	68		LJH-186	0.55	-	-	0.01	-	0.02	-	_
white fg aplite with flecks muscovite to	68											1		-
white fg dolo to	72.8					[
flecks brwn? rusty? to	73.9			1										-
Sample	****		72,84	73,97		LJH-187	1.13	-	-	-	-	-	-	-
limey dolo to	74.7			1						1	1			-+
limestone to	75.3			1						1		1	t	1
dirty streaky brwn and grey		1							-				1	
1cm clear qtz @ 74.73 @ 60ª Sample		F	74.73	77.87		LJH-188	3.14			0.04	-	-	-	1_
grey fg dolo	76.3			1						<u></u>	-		1	+
Fluoresce @ 75.28 <1% WQ3				1		-	+				+	ł		+
THE PARTY IS TO THE TRATEGO		<u> </u>				<u> </u>	+	·	+			1		+
			-	1			+	·						
		<u> </u>		}										
Siliceous Dolomite		<u> </u>	70.00	70.40		·					1	 		
	70.5		10.32	78,18									l	
white to	76.5								<u> </u>			·		
blue grey to	77.3					<u> </u>				<u> </u>		Į	ļ	
low angle to core shear with talcy gouge: 15° C						ļ								
limestone to	78		-	ļ	·						1			
silic grey fg dolo	78.2				-		ļ							
fluoresc @ 77.72, in po/py in diops										-				
andara (a		<u> </u>					<u>_</u>					1		
													<u> </u>	
				ļ										
White VFG Aplite ?			78,18	78.48										
looks identical to 94-08 Au zone														
flecks of brwn and grey mineral														
qtz-like appearance, but granular				1										
cntct @ 75° Irregular Sample			78.18	78.48		LJH-189	0.3	-	-	-	-	-	-	
					· [Ì	1			-		-
									1			1		~ {
		1		-1			1				-	1		-
Intrusive			78.48	83.21			1			-		-{	1	+
fg grey aplite (no mafix) 81.99		1	1	1	1	-	+			1	1	-	<u>+</u>	
dense, 15-20cm core lengths Sample			78 45	81.68	1	LJH-190	3.2			-		0.01		
fg grey aplite minor fine mafix and occas grey sulfide	83.2	-	1.5,10					<u> </u>		1				+
brwn arg (silicified) inclusion 82.448				-1	1		-							
along one half of core Sample	<u> </u>	1	81.68	83.21		LJH-191	1.53			-	+ -	-	·	

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		·	_					L	I.	<u> </u>	I		
	<u>Bdg</u>	From	<u>To</u>	CoreRecov	<u>Samp No,</u>	Samp/wdth	<u>Pb%</u>	<u>Zn%</u>			<u>Mo%</u>	<u>₩%</u>	other
									g/mt	g/mt	<u> </u>]		
	·										<u> </u> !		
		83,21	85.92		LJH-192	2.71					-	-	-
		_											-
		_									<u> </u>		
				·····	· · · ·	· · · · · · · · · · · · · · · · · · ·		l		ļ			_
	<u> </u>								-	1			
85,9													_
[1						1	1	1		
				ļ									
			1								1		
		85.92	88.84	1	1	· · · · · · · · · · · · · · · · · · ·	1	1	1	1	1		1
							1	1	1		1		
1		85,92	88.84	0.61\0.91	LJH-193	2.93	<u>†</u>	-	-	-	-	-	- 1
		1					·			· [
1				-			1			1	1		
					~~~~~	-		-	-		1		+
		88.84	93.51					1	-		-		
	1				L.IH-194	1.28		-					
+		-						1	1	-		1	
				1		1		-	-	-	-		
		-				1					+		
					·····	-		-	-	-1		1	+
1	·											1	
02.8	450			-		-				-		<u> </u>	
02.0		90.12	93 51		1 14-195	3 30		┨┈╍╌			<u> </u>	+	<u> </u>
03.5	350	00,12	. 00.01			0.05						.	
33.5	55					-		+	-		+		
1						-		-1		_			
•								-	1		+		
1	1	_	+	<u> </u>							· <u></u>  ·		
		02 61	05 10	.		-	╉┈───				+	+	
		-193.51	95.10	·							+		
			+						_				_
		02 54	02.00			0.40	-		0.04	<u> </u>	-		
pie	<b> </b>	- 93.51	23,99		LJH-190	<u> </u>	-		0.01	-	10.54		
<u> </u>			05.40						0.04				
		93,99	195.18		LJH-197	1.19			0.01	0.4	<u>, 10.39</u>		
		_									$\perp$	ļ	
1	1		1	1	1	1	1	- i	1		1	+	1
	85.9	92.8 45° 93.5 35° 93.5 35°	83.21 83.21 83.21 83.21 83.21 83.21 85.92 85.92 85.92 85.92 85.92 85.92 85.92 92.8 85.92 92.8 85.92 92.8 85.92 90.12 93.5 90.12 93.5 93.51	83.21       85.92         83.21       85.92         85.9       -         85.9       -         85.9       -         85.9       -         85.92       88.84         85.92       88.84         85.92       88.84         88.84       93.51         88.84       90.12         92.8       45°         93.5       35°         93.5       -         93.5       -         93.51       93.93	83.21       85.92         83.21       85.92         85.9	83.21       85.92       LJH-192         83.21       85.92       LJH-192         85.9	83.21       85.92       LJH-192       2.71         83.21       85.92       LJH-192       2.71         85.9	83.21       85.92       LJH-192       2.71       -         85.9       -       -       -       -       -         85.9       -       -       -       -       -         85.9       -       -       -       -       -         85.9       -       -       -       -       -         85.92       88.84       0.61\0.91       LJH-193       2.93       -         85.92       88.84       0.61\0.91       LJH-193       2.93       -         85.92       88.84       0.61\0.91       LJH-193       2.93       -         85.92       88.84       0.61\0.91       LJH-193       2.93       -         85.92       88.84       93.51       -       -       -         88.84       93.51       -       -       -       -         88.84       93.51       -       -       -       -         92.8       45°       -       -       -       -       -         93.5       35°       -       -       -       -       -       -         93.51       95.18       -       -       -       -       -	83.21       85.92       LJH-192       2.71       -         83.21       85.92       LJH-192       2.71       -         85.9       -       -       -       -         85.9       -       -       -       -         85.92       -       -       -       -         85.91       -       -       -       -         85.92       88.84       -       -       -         85.92       88.84       0.61\0.91       LJH-193       2.93       -         85.92       88.84       0.61\0.91       LJH-193       2.93       -       -         85.92       88.84       90.12       LJH-193       2.93       -       -         88.84       93.51       -       -       -       -       -       -         92.8       45°       -       -       -       -       -       -       -         93.5       35°       -       -       -       -       -       -       -         93.5       90.12       93.51       LJH-195       3.39       -       -       -         93.51       95.18       -       -	83.21       85.92       g/mt         83.21       85.92       LJH-192       2.71       -       -         83.21       85.92       LJH-192       2.71       -       -         85.9       -       -       -       -       -         85.9       -       -       -       -       -         85.9       -       -       -       -       -         85.92       88.84       0.61\0.91       LJH-193       2.93       -       -         85.92       88.84       0.61\0.91       LJH-193       2.93       -       -         88.84       93.51       -       -       -       -       -         88.84       93.51       -       -       -       -       -         88.84       93.51       -       -       -       -       -         93.5       35°       -       -       -       -       -       -         93.5       -       -       -       -       -       -       -       -         93.5       -       -       -       -       -       -       -       -         93.51		83.21       85.92	83.21       85.92       LJH-192       2.71       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -

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Description		Dd-	<b>F u e u e</b>	<b>T</b> -				<b>5</b> 1. 54	<b>.</b>					
Description HOLE_NO, LJu 97- 8 PAGE 7 of 8		Bdg	Erom	<u>ho</u> —	CoreRecov	Samp No.	Samp/wdth	<u>20%</u>				<u>Mo%</u>	<u>W%</u>	other
HOLE NO. LJU 97-8 PAGE 7 OF 8							·			g/mt	g/mt			
Billating Argillita			05.40								l		ļ	
Silicified Argillite	05.0		95.18	99.3									ļ	
	95.2 95.4										<u> </u>			
	95,4		05.40	00.0										
Sample			95.18	99.3		LJH-198	4.12	•	-	0.05	-			
grey bdd silic'd to 96.25 green brwn diops garn sk to	00.0				·····									
green brwn diops garn sk to	96.3								ļ		·			<b> </b>
· · · · · · · · · · · · · · · · · · ·	-	<u> </u>	<u> </u>		. <u> </u>	r	ļ		ļ	<u> </u>	<b> </b>			
· · · · · · · · · · · · · · · · · · ·			<u> </u>							<u> </u>	<b> </b>			
D = 1 =									ļ	ļ		ļ	1	<b> </b>
Dolomite			99.3	113			L	<u> </u>				L	L	.
blue grey bdd (bgbd)	101	30°												
sharp cntct with skarn 101.2			<u> </u>		<u> </u>		<u>_</u>							
healed breccia 6cm a 101,49							ļ							
crackle - dol (bgry) 103.62103.75														
breccia, fract cntct @ 40°		<u> </u>												
107.1		Ô٩												
107.6		15°										1		
bgbd 108.53														
fg grey Ls with 2% disem po Sample			108.5	109.6	1	LJH-199	1.1	-	-	-	0.4	-	0.02	-
occas 3mm cale cross fract or actin or chlor edges									1					
109.63											1	1		1
blue grey bdd to 111.49		25°											1	
fg grey green Ls as 108.53109.63 to 113.01		}						1						
occas inclus? bgbd with unconformable cntcts													1	
at 111.09 (intrusive - like) Sample	_		111.5	113		LJH-200	1.52	-	-	-	0.3	-	0.03	-
														·
			1							-		1		
				1			1				-	·		
Skarn			113	117.6			· · · · ·		1			<u> </u>		
green bdd diop with occas brwn garn to 115.06				-				1	1	1			1	<u> </u>
gtz, diops, garn mixture to 115.21 113		20°			······································						1			
white silic Ls with muscov to 115.88 112.5	5	0°		-1	1				1			1		
<1% WO3 @ 115.24 Sample			115	116		LJH-201	0.94	-	-	0.09	0.3	-	0.05	
f-mg grey green equigrlou	[			-			1	1	1	1	1	1		<u> </u>
looks like fg diorite with occas hb; probably skarn'	2			1		1	1		-	1		<u> </u>		
hard, no fizz with HCl	r			1	• <u> </u> <b>-</b>	-			+	-	-1	1		
<1% disem po to 116.95 Sample		-	116	117.6		LJH-202	1.59	-	-	0.13	0.3	† <u> </u>	0.01	·
~30% po to 117.59				1							1 0.0	·		
scheel <2% WO3 @ 117.34 in po	1					-				+	1		- <u> </u>	

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Description	Bdg	From	То	CoreRecov	Samp No.	Samp/wdth	Pb%	Zn%	Au	Aa	Mo%	W%	other
OLE NO. LJU 97-8 PAGE 8 of 8		-	<u> </u>	AATZI JAAAT	AAULE LAL				a/mt	g/mt			- <del>                                     </del>
Silicified Arglilite		117.6	123.5			-		r					
nwn minor silc'n 117.59118.41													
ranular white qtz, some actinolite to 118.56													
harp cntct with gouge @ 45°													
nixture of fg grey green Ls and bgbd to 119.11		-											
alua arey bdd 119 11-119 48													
white fg limey dolo with green blobs of													
chlorite (to 3mm) 119.87							<u> </u>						
g grey speckled Ls 120.08			<u> </u>	<u> </u>					<u> </u>		<u> </u>		_
brwn arg bdd 120.39							<u> </u>				<u> </u>		
grey green Ls 120.69			<u> </u>		1	<u> </u>		1	<u> </u>				
white silic dol? with muscovite 121.15										- <b> </b>	<u> </u>		
similar to 115.82													
lower cntct irreg but tight ~80°							<u> </u>						
fg green diops with pinkish bds 121.52													
mixture diops/qtz/garnet /chlor/po/py 120.07								<u> </u>					
Sample		121.5	122.1		LJH-203	0.55	-	-	-				
brwn-grn bdd argillite	20°									_ <b>_</b>			
								<u> </u>	_	_	.	_	_
		_							_		1	<u> </u>	
Skarn		123.5	124.9	1						.		-	
It green diops with pink rhodon bds to 124.05						<u></u>	1		<u> </u>		<u> </u>	<u> </u>	
mixture diops/garnet to 124.93									-		_	-	
5cm calc @ 65° @ 124.93							-l	_					
			1										
			<u>.</u>				4	_		_	_	_	
		_								_			
Silicified Argillite		124.9	126.8	3					-			ļ	
brwn arg with grey mottles to 3cm							<u> </u>		$\square$		<u> </u>		
								_	-		_		
					1	_	1	1					
										1			
E O U 426 70				1					}				
E.O.H. 126.79				1		1				1			

. .

		SUL	TAN	MINE	RALE	1C	DIAMO	ND	DRII	L C	ORE	LO	G	
	_													
		PROP	ERTY:	Jersey							LJ 97	-9		
· · · · · · · · · · · · · · · · · · ·		T						···	Page	1 of 3				
	Lat: 3			Dep.: 7		Col. El.:		Logge						
ompeted: 30 Sept 1997	Azimi	uth:		Dip:9		Lgth.: 77		Locat			) Level		y	
riller: Pete Potapoff	Core	Size:	BQ		Remarks:	Detailed	d Assay Ce	rtific	<u>ates i</u>	<u>n 'AP</u>	PENDI	<u>X B'</u>		
					_			[						
escription		Bdg	From	To	CoreRecov	Samp No.	Samp/wdth	Pb	Zn	Ag	Cd/			
OLE NO. LJ 97-9 PAGE 1 OF 3				<u> </u>	<u>nårsutserer</u>					gm/mt	ppm		1	
<u>OLE NO. 23 57-5 1 7 802 1 61 6</u>										<u></u>		· ·		
		4	-			+			+~	+	-			
iliceous Argillite		-	3.03	14 85	3.03/3.9	1	1				1			
nostly grey green with occasional 3mm calc. cross vein		+	0.00		3.03/6.9		<u> </u>	+	+	-	-		1	
nostly grey green with occasional 3mm calc. cross vein	!	1		+	1.5/4.8			+	-	•	1	1	1	
roken core to 14.876m recov 12-14.85	<u> </u>	+				<u> </u>		+·			<u>+</u>	1		
TUNCIT CUIC TO 14.0 TOTT TECOV 12-14.00				+	·			·}	-		1			
				1			-+	1	1	+		<b> </b>	1	
nterbanded Limestone & green/brown Argillite		70°	14.8	17.4				1		+		<u> </u>		
		10	_	17.4					-		-	1	+	ł
negrained grey limestone with <0.25mm speckles of sulfide white calc. (3-6mm) on fractures	┟╌╍╍										-{		- <del> </del> -	
Ante calc. (3-omin) of fractores	+	·	-					1	+					<u> </u>
									-			+		<u> </u>
		+ -	17.4	30.8	· /						-			
Siliceous Argillite	-}			- 50.0	·			+					-[	
almost no brown argillite remnants	┼╾╌╍			1				+	+					
nostly fine grained grey silicified; 17.4 to 20.1 grey mottled medium grained limestone; 17.9 to 10	96	-			<u> </u>			+	•	-		1	+	
	1	80°		+										1
ecemented crackle brx; 18.8 to 20.1 prown/green argillite; 20.1 to 30.8				-				+						
Sownigheen arginite, 2011 to 30.0	-	80°							-					
green with 1mm brown lines; 26.9 to 27.1	+	+						-				-		+
					·			+					1	
very fine grained white limestone with 1mm brown argillite lines 27.9 to 28.1			_{											
	+							+	+					
alive green gouge; 28.3 to 28.6 Recovery					.30/.45			+						-1
				-					-			+		+
grey green mottled with calc. veinlets (4mm) running 10° & 45° CA								+			_	1		-
	+			+					+			+		+
		+						+				-	1	+
Olive Green Limey Dolomite	+		30,0	3 31.2	· · · · · · · · · · · · · · · · · · ·			-		┥				+
Sample	-+		30,0				1	1				····		+
oampie				<u> </u>	·		·	+			-	-		
Crou Modium Croined Limestone	+	·{	31.	2 32.9					+					
Grey Medium Grained Limestone grades to less limey brown silic. argillite from		-80°	<u> </u>		· <u> </u>			-						
32.6 to 32.9	+							-+				+		
02.0 10 02.9	_ <b> </b>				+				_					+

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HOLE NO. LJ 97 PAGE 2 OF 3	<u>Bda</u>	From	To	CoreRer.	Samp No.	Samp/wdth	Pb	Zn	Ag	Cd/			
									ព្ភ៣/៣៤	ppm			
ery fine grained grey with dark grey streaks; 31.6 to 32.3													
25% po 32 to 32.7													
Sample		31.8	32.3		2	0.5	0.05	1.5	0.8	50			
Silicified Argillite		32.9	33.5	<b>_</b>					<u> </u>				
prey pale brown	80°												
Sample		32.3	34		3	1.7		0.1		6			
										<u> </u>			
imestone	-	33.5	34.6	L	-	<u> </u>							<u> </u>
ine grained mottled grey with 2mm brown						<b></b>							
argillaceous bands 33.8		<u> </u>						1		<u> </u>		<u> </u>	<b> </b>
bale green gouge 33.8 to 33.9			┨	┟_╼───~		<u> </u>	<u> </u>	+		+			<u> </u>
usty white fine grained limestone with 0.1mm grey bands 33.9 to 34.1	·		<b> </b>			<u> </u>				·		+	
			<b> </b>				╂───	<u> </u>	┼			↓	
blue grey banded medium grained 34.1 to 34.6	·		510										<u> </u>
Sample	-{	34	34.6			0.6		0.3		39			<u></u> -
			┝───	<b>├</b>			╂───	+	+			<u> </u>	┼──
Black Arcillite		34.6	37.3			<u> </u>	+	+	+	+		<u> </u>	<u> </u>
			31.5	<u> </u>			╂	<u> </u>			<u> </u>		<u> </u>
typical black argillite, 13mm veinlets calc @ various <s, ca<="" some="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></s,>													
some areas siliceous, some limey			<b> </b>					╂	┼──		<u></u>		
(but all black; carbonaceous)							-{	·	•				+
graphitic slickensides on fractures			<u> </u>	╄				-	+	╂────			
occasional vuggy with some rust quartz vein to 3mm		·	<u> </u>	<u>+</u>		+	·	·	+				┼
Sample		34.6	35.5	<u> </u>		0.9		+			<u>+</u>		-
Sample	-	35				0.0							
Sample	_	36.3				1	+	+	+				-
	-		57.5	<u>+</u>		<u> </u>	+	+					
Intrusive		37.3	77.7					+		┫			
leucocratic, medium grained, greyish leached remnants	<u>+</u>		1 1.1	┼		+	+	+		+	┼──-	+	╀──
of mafics (34mm 0), ~2-5% muscovite38.4	<u>-</u>			+		- <del> </del> ++	-+	+	-+	+	╂	+	+
8cm grey green gouge from 38.4 to 38.6	•			+	- <u>+</u>			·					-{
as above but matics more defined to 51.75m.			+	+		+		·		~ <b> </b> -		+	+
2cm lamprophyre @ 40.9			+		~		-+	-+	+	+	+	+	+
gouge @ 43.8 to 45.1				0.5/1.3	—						+		
3cm white quartz, slightly limonitic on contacts,	-		1	<u></u>									
very fine black metallic on one fracture			1	+			+	+	+	·		+•	1
vein is @ 40° CA @ 51.6					·	0.6	<u></u>	+		·	<u>+</u>	+	
Sample	-	37.3	37.9	, <b> </b>	<u> </u>			••					1
leuco fine grained with <1mm mafics peppered throughout			<u> </u>	·				-+	+	+	+	+	+-
possibly a dyke, contact @ 51.75 is tight, but	-1		1	+	-+	1						-+	+
well defined 51.75 to 53.3	_		1	+	-+		-	-+			-	-	
			∽ <u></u> ∤	+		-+		<del>~</del>  ~··	+	+	+	+	

		<del>1 –</del> 1											
IOLE NO. LJ 97-9 PAGE 3 OF 3	Bdq	From	To	CoreRecov	Samp No.	Samp/wdth	Pb	Zn		Cd/			
									gm/mt	ppm			
s 37.3 to 51.75, except brown cast due to siderite?												— <del> </del> -	
Sample		54.9	56.3	ļ	l 							<u> </u>	
Iteration, to 56.7			<u> </u>			1.4					+	<u> </u>	
uartz vein 3cm @ 30° CA @ 56.35				·					+	<u>├</u>			
imilar to quartz @ 51.6													
suco medium grained, mafics rare, orthoclase opaque white,									1				
slightly kaolinized?) to 60.6 Sample		56.7	56.8		+			1	1				
			<u> </u>			0.1	0.05	0.02	2.7				
2cm pyrite at 56.7 @ 20° CA euco fine grained, 5-10% fresh mafics to 66.55					1					1			
sulfides from 66.55 to 66.85		-		-			]	<u> </u>		╡			
Sample		66.55	66,85	5								+	
15% pyrite in blebs to 1cm. muscovite.						0.3	0.05	2.0	4.4	147		+	
plack mineral (ZnS?) brown streak								<u> </u>			<u> </u>		
		_	ļ				- <b> </b>	+					
Leuco medium grained, mafics faded, muscovite to 68	1						-						 1
quartz vein to 10cm @ 30° CA 68.1 to 68.3			-			0.2	· · · · ·	+	+			+	
Sample		68.1	68.3	3						-			
Leuco medium grained, mafics fresher to 77.7					_	_	+		+	-			[
fault surface @ 40° @ 74.5, green talc			-{				1	+					
quartz and muscovite from 74.95 to 75.1 Sample		74.95	5 75.	<u>.</u>	-	0.15	5	0.1	1	10			
			77.				+						
fault surface @ 75.1 @ 40° CA			- <u> '-'`</u>										Ļ
												ļ	F
E. O. H.												<u> </u>	

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## APPENDIX B

Assay Certificates

SAMPLE#											As	U	Au	Th	Sr	Cd	Sb	) Bi	v			La										τι			
		• •				• •	•••				ppm	· · · · ·														• • • • • •									
LJH-1			4 20	)O (	571	.3	Z	<1	430	2.02	17	<5	<2	<2	322	1.2	<2	2 <2	: _Z	36.36	.007	5	1	- 66	42	.01	6	.23	.02	.12	<2	<5	1	.01	
LJH-2		1	Ś	8	67	<.3	29	14	131	2.10	<2	<5	<2	14	19	<.2	<2	2 <2	37	1.66	.030	23	55	.71	21	.27	.91	.23	.01	.52	<2	<5 .5	41	-02	
LJH-3			4	6	22	<.3		3	356	.93	Z	<2	<2		370	<.2	<	<u> </u>		18.67	.015	24	12 8	5.34	115	.00	~ ,	.12	.04	.64		<2	21	- 01	
LJH-4		2	9	7	90	<.3	45	20	193	4.54	<2	<>	<2	11	4/	. 4	< c		44	2.39	.029	10	07	1.30	27		43	0.43	.09	.48	~2	25	1	2 01	
LJH-5	l l	3	2	6	70	د.>	41	14	173	3.60	<2	<>	<2	11	110	<،۵	. ~2	2 ~2	. 4	2.98	.032	21	αÞ	.95	20	. 20	0 2		. 12	.40	72	.,	'		
LJH-6	1	2	2 1	14	108	<.3	42	18	195	4.30	14	<5	<2	6	38	<.2	! <i< td=""><td>2 &lt;2</td><td>2 37</td><td>.70</td><td>.019</td><td>19</td><td>49</td><td>1.30</td><td>37</td><td>. 12</td><td>9 2</td><td>2.11</td><td>.02</td><td>.48</td><td>&lt;2</td><td>&lt;5</td><td>&lt;1</td><td>-01</td><td></td></i<>	2 <2	2 37	.70	.019	19	49	1.30	37	. 12	9 2	2.11	.02	.48	<2	<5	<1	-01	
LJH-7	<1	3	6	8	68	<.3	55	23	815	5.16	13	<5	<2	- 7	178	.3	i <2	2 3	<u>, 94</u>	5.97	.252	38	42	2.13	241					.46					
LJH-8				<3	68	<.3	36	14	723	3.35	<2	<5	<2	23	138	<.2	2 <	2 2	2 47	3.05	.071	26	6Z	1.67	247	.21	11 2	2.27	.09	.66		-		-02	
f1H-8	165		8				4	1	151	. 49	) <2	- 14	< 2	17	6	<,?	<	2 <2	2 4	.13	1004	8	15	.09	20	.02	<5 7	.50	.04	.14			< I 1	.01 .01	
LJH-10	26		2	18	6	<.3	Z	<1	100	.25	? <2	14	<2	14	5	<.2	2 </td <td>2 &lt;7</td> <td><u> </u></td> <td>.09</td> <td>.005</td> <td>1</td> <td>15</td> <td>.05</td> <td>14</td> <td>(.01</td> <td>د</td> <td>. 19</td> <td>.04</td> <td>.10</td> <td>4</td> <td>ç</td> <td>I</td> <td>.01</td> <td></td>	2 <7	<u> </u>	.09	.005	1	15	.05	14	(.01	د	. 19	.04	.10	4	ç	I	.01	
LJH-11	29	•	3	19	5	<.3	1	<1	112	.37	4	19	<2	17	5	<.2	2 <	z <7	2 <	, D7	.002	8	14	.04	15	<.01	3	.20	.04	.09				.01	
LJH-12	21		3	14	5	<.3					2 <2					<.;					.003	7	14	.03	12	<.01	3	. 16	.04	.08		-		.01	
RE LJH-12	24		4	14	6	<.3					2 <2				8	<	2 <2	2	2 <	.20	.002			.03						.09				. 02	
RRÊ LJH-12	28		4	11		<.3		1	374	.38	3 <2	20	<2	20	- 9	<.;	2 <	2 <7	2	.20	.003									.11	-	-	-	.01	
LJH-13	1		9	5	43	<.3	15	7	722	2.32	2 <2	<5	<2	12	27	<	2 <	2 <2	2 Z:	5 .75	.072	22	54	.51	44	.06	5	1.18	.02	-32	\$	<>	<1	<.01	
LJH-14			9	9	60	<.3	15	9	292	2.75	5 2	<5	<2	20	16	<.,	2 <	z <;	2 31	.26	.056	41	53	.66	84	.12	<3	1.67	.01	.62	<2	<5	<1	.03	
LJH-15				<3	39	<.3	19	8	592	1.76	5 2	<5	<2	5	34	<	2 <	2 <	2 3	1 1.21	.043	14	34	.45	70	.09	<3	1.18	.04	.30				.04	
LJH-16	1 3	5	5	8	18	<.3	4													3.16													1	.02	
LJH-17	2	!	3	10	6	<_3	3	1	727	<b>'</b> .2]										1 .09												<5		<.01	
LJH-18	1 2	2 3	31	6	25	<.3	17	8	1724	3.30	54	<5	<2	15	68	<.	2 <	2	5 1	2 1.95	.360	Z4	22	- 49	44	.02	7	.92	.02	.31	2	<5	<1	.01	
LJH-19			54	3	103	< 3	20	20	706	5 6.0	0 2	<5	<2	6	18	i <.	2 <	z <	28	1 .59	. 125	14	44	.92	212	.22	3	2.61	.03	1,28	2	<5	2	<_01	
LJH-20			22	3	102	<.3	22	16	763	5.2	5 <2	<5	<2	8	58		3	2 <	Z 6	9 1.23	. 181	20	49	.92	281	.36	<3	3.02	.12	1.51	2	<5	2	.03	
LJH-21			28	<3	59	<.3	37	17	399	3.8	2 <2	<5	<2	8	27	' <.	2 <	2	45	7 .51	.055	18	48	.82	100	. 16	3	2,40	.08	.79		<5	<1	.05	
LJH-22		2 1	78	<3	63	<.3	44	27	405	5.8	7 <2	<5	<2	6	58	<u>ا</u> <.	2 <	2	75	7 1.19	.055	12	41	. 90	122	. 16	6	3.37	.29	.83	<2	<5	<1	.01	
LJH-23	1 1		19	<3	62	<.3	26	13	675	5 3.3	9 Z	<5	<2	6	17	′ <.	2 <	2 <	25	0.72	.078	18	41	.95	113	. 16	<3	1.96	.04	- 93	3	<5	1	<_01	
LJH-24	1.2-	,	D	~2	25	. 7	7	7	34	1 1 2	0 ~7	~5		7	17		~ ~	2 4	> 1	7 .60	210	16	24	25	43	07	٦	58	01	74	4	<5	1	. 02	
RE LJH-24							7			5 1.1	8 L	<5	<2	2	17		2 <	2 <	2 1	7.63	.209	16	22	.74	50	.07	5	.56	.01	.24		<5		.02	
RRE LJH-24	118		7	3	25	< 3	5	3	34	5 1 1	o 2	<5	<2	3	17	, .	2 <	2 <	21	7 .65	.212	17	28	25	45	.07	5	.57	.01	.25	8			,01	
LJH-25																				6.40	.107	⁷ 19	49	.88	128	.20	3	2,19	.01	1.24	<2	<5		.02	
LJH-26		2								4 3.4			i <2							5.79	, 131	23	34	. 68	77	_11	3	1.37	.02	.65	4	<5	1	<.01	
				-		-											<b>-</b> -		~ <i>(</i>	1 7				57	0	10	7	1 / 9	07	70	7	~ 5	~1	<.01	
LJH-27		а. с	מכ ל	ز> 7	44 E 1	<.5	21	15	- 4/3 - 54	5 3.U 1 7 0	/ <2 8 <2	< : 	> <∠ ; -⊃	1 E	) 3Č ; 15	o ₹. t	2 4	·2	24 75	1.79 6.63	5.135	1 24 3 20	40 7.1	/د. 71	9U 104	- 17	נ ד	1 72	201 20	.10 70		-			
LJH-28		2	18	~7	21	<>	23 77	10	20 74	0.נו ענו	o ≤2 1 -23		, <u>,</u>	2	/ 12 5 14			, ,	ב כ כ כ	4 .4	, 195 280 S	, <u>20</u> 10	55	1 05	122	20	ر ۲۰	2 1.8	ייייייייייייייייייייייייייייייייייייי	1 74	-4 -2	~5	1	< 01	
LJH-29 LJH-30		2	77	د. ح2	71	~ 7	- 55 - 72	21	75	, 4.0 6 6 8	2 22		5 27		5 19	5 .	2 4	2	3,7	5.4	072	17	53	1.04	134	. 22	3	2.64	.03	1.41	7			.01	
LJH-31		2	29	<3	36	<.3	19	11	53	4 2 7	3 22	<'	5 <2	-	5 24	4	<u>3</u> <	ź	3 Z	5 .5	3 .107	7 16	25	.51	53	.05	6	1.00	<.01	44	2	<5		<.01	
t uu 20		0	•/	,	70			10			<u>د</u> ،	ı		, r	,		7	<b>z</b> ,			מיח כ	5 19	77	<b>t</b> /		, n7	7	1 00	01	20	5	25	1	< 01	
			60 60	38	<del>7</del> 2 153	6.8	, 20 , 72	: 10 : 36	113	ε 2.0 3 4.0	0 45	11	5 8	35	5 53	5 19	1 1	17 2	37	1 .5	3.105														
LJH-31 LJH-32 STANDARD C2/AU	1-1 2 1CP TH1 ASS - S	B D - S L AY AMP	14 60 .500 EACH RECO	4 38 38 1 19 2000	39 153 RAM 5 PA ENDE 2: 0	<.3 6.8 SAMP RTIA D FC	S 20 S 72 PLE I AL FO DR RO	10 36 5 DI 18 MM 10 K A	66 113 GEST FE ND C BY	2 2.6 3 4.0 ED W1 SR CA ORE S F1RE	5 2 10 45 TH 3M	<pre>     <!--     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!     <!</td--><td>5 &lt;2 5 8 •1•2 MG E F CU OM 1</td><td>HCL HCL BA TI PB 3 A.T.</td><td>5 24 5 53 - HNO3 I B 1 ZN A - SAI</td><td>4 &lt;. 3 19. 3-H2C W AND S &gt; 1 MPLE.</td><td>2 1 1 1 AT 1 L1M 1%, A</td><td>3 &lt; 17 2 95 0 41 TEC</td><td>2 2 3 7 EG.</td><td>9.4</td><td>7 .089 3 .109 DNE HO</td><td>7 18 5 41 DUR A</td><td>33 64 ND 11</td><td>-54 -95</td><td>42 201</td><td>.07 .08</td><td>3 29</td><td>1.00 1.94</td><td>.01</td><td>. 39 . 15</td><td>5</td><td>&lt;5</td><td>1</td><td>&lt;.01</td><td></td></pre>	5 <2 5 8 •1•2 MG E F CU OM 1	HCL HCL BA TI PB 3 A.T.	5 24 5 53 - HNO3 I B 1 ZN A - SAI	4 <. 3 19. 3-H2C W AND S > 1 MPLE.	2 1 1 1 AT 1 L1M 1%, A	3 < 17 2 95 0 41 TEC	2 2 3 7 EG.	9.4	7 .089 3 .109 DNE HO	7 18 5 41 DUR A	33 64 ND 11	-54 -95	42 201	.07 .08	3 29	1.00 1.94	.01	. 39 . 15	5	<5	1	<.01	



Sultan Minerals PROJECT JERSEY FILE # 97-0798



Page 2

SAMPLE#	Мо ррл				-		Ça ppm	Mn ppm	Fe %	As ppm	U ppm		Th ppm		Cd ppm		Bi ppm	v ppm	Ca %	P %	La ppm		Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %			_	Au** 9m/t
LJH-33	2	24	4	41	<.3	18	12	566	3.09	185	<5	<2	5	34	<.2	3	3	18	.68	.089	17	24	.60	62	.05	8	.87	.01	.36	<2	<5	1	.01
LJH-34	-	34			<.3				4.79	<2	<5	<2	5	14	.2	<2				.054		-	.98			3	1.95	.03	1.07	2	<5	1	.04
LJH-35	15	29	3	63	<.3	31	17	1163	4.60	309	<5	<2	6	49	<.2	6	4	13	.66	.063	15	18	.84	57	.01	10	.79	.01	.39	<2	<5	1	.02
LJH-36	15	31	<3	22	.3	30	11	598	2.43	1008	<5	<2	2	77	<.2	9	Z	4	.81	.021	6	22	.44	29<	.01	9	.26<	.01	. 16	6	<5	<1	.05
LJH-37	4	20	<3	11	<.3	11	5	238	1.31	438	<5	<2	<2	37	.2	2	<2	2	.47	.066	5	21	.16	11<	.01	5	.21<	.01	.08	3	<5	<1	.04
LJH-38	1	27	3	58	3	37	17	1047	4.19	422	<5	<2	5	39	<.2	3	<2	9	.47	.054	15	17	.67	44<	.01	9	.60<	.01	.31	3	<5	<1	.03
LJH-39	8	47	<3	41	<.3	42	17	805	3.76	251	<5	<2	4	31	<.2	3	5	10	.43	.072	12	18	.48	48	.01	10	.69<	.01	.27	Z	<5	1	<.01
LJH-40	1	27	<3	59	· <.3	35	16	567	4.50	3	<5	<2	6	29	.2	<2	3	64	.44	.098	17	64	.93	90	. 19	3	2.40	.02	.87	3	<5	<1	.01
RE LJH-40	1	26	<3	56	<.3	30	16	549	4.34	<2	<5	<2	6	28	<.2	<2	2	62	.43	.095	17	62	.89	83	. 18	5	2.31	.03	.84	3	<5	<1	.02
RRE LJH-40	1	30	<3	60	×.3	36	20	577	4.50	3	<5	<2	6	30	<.2	<2	5	62	.46	.094	18	62	.92	91	. 19	3	2.41	.03	.88	2	<5	<1	.01
LJH-41	20	36	<3	47	′ <.3	21	14	536	3.71	23	<5	<2	3	23	.2	3	4	37	.64	. 196	15	45	.83	57	. 10	<3	1.68	.01	.52	5	<5	<1	<.01
LJH-42	4	7	10	13	s <.3	3	3	262	.60	<2	12	<2	26	12	<.2	<2	2	2	.27	.007	14	14	.07	16	.01	4	.26	.04	.11	- 4	<5	<1	.03
STANDARD C2/AU-1	19	57	- 36	146	i 6.5	71	36	1089	3.81	44	21	7	35	50	19.3	16	18	67	.51	.107	40	60	.94	189	. 08	28	1.87	.06	.14	11	<5	1	3.25

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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ACME ANAL	ICAI	L LL	ABORI	ATOI	RIE;	S I	.TD	•	l	852	3. F	IAST	TINC	s	ST.	VAN	ערי	/BR	BC	V.6 <i>1</i>	18	6		PHON	E ( 6	04)	253	-31	58	FAX	(60	4)2	<b>۲٦</b> .	1716	
ΔΔ	· · ·									•		÷			CPU II	ALYL	COLC:	i e tale	100 - 600 100 - 600 - 600 100 - 600 - 600		sainte d	6 A.S	134											<b>XA</b>	
TT	•				1	Su	<u>lt</u> a	an P.C	<u>Mi</u> . Bo:	<u>nera</u> x 1043	<u>ls</u> 5,1	<u>PR</u> 610 ·	OJ:	<u>ЕСТ</u> , Vai	<u>ן ז</u> יניסטר	<u>ERSE</u> ver BC	<u>ΞΫ</u> V7Υ	F: 1K5	le Su	# 9 domitte	97–( ∋dby	)88 : Jac	4 :k_De	Pa ≥nny	ge	1			•	•					1999) 1999 - Series
SAMPLE#	Mo ppm	Cu ppm	РЬ ррт			-			Mn ppm		As ppm					Cd ppm	Sb ppm				P %	La ppm		Mg %				Al %						Au** gm/t	<u></u>
LJH-43 LJX-44 LJH-45 LJH-46 LJH-47	16	9	11424 11429 258	2966	52 . 50 8. 55 <	.7 .6 .3	61 50	3 4 1	48 388	16.96	83 91 5	<5 <5 <5	<2 <2 <2	<2 <2 4	11 40 101	93.4 67.1 168.2 6.0 7.7	17 17 <2	4 <2 <2	3 13 1	1.09 5.18 24.84	.005 .006 .021	<1 <1 3	<1 <1 2	1.18 5.97 11.23	6< 12< 25<	:.01 :.01 :.01	رج ح ح	01<>.01< .03< .07<	:.01 :.01 :.01	<.01 .01 .04	7 <2 7	<5 <5 <5	<1 <1 <1	.12 .09 <.01	
LJH-48 LJH-49 LJH-50 LJH-51 LJH-52	2 3 10	2 4 28 14 33	37 33 21	1/	40 44 <. 88 <.	.3 .3 .3	2 36 7	2 15 6	404 324 1380	2.93 .70 2.61 1.08 2.94	3 3 <2	<5 <5 <5	<2 <2 <2	<2 10 7	144 62 86	47.2 26.2 8.4 .7 9.3	<2 <2 <2	<2 5 12	3 25 6	25.04 4.46 6.59	.043 .097 .150	4 10 15	3 33 5	10.79 2.67 1.44	101 142 50	.01 .07 .05	5 <3 : 8	.24 2.17 1.23	.01 .07 .09	.18 .90 .14	<2 3 112	<5 <5 <5	<1 <1 <1	.01	
RE LJH-52 RRE LJH-52 LJH-53 LJH-54 LJH-55	2 6 1	31 34 12 38 20	11	19: 176' 9'	27 < 96 96 <	.3 .3 .3	39 4 41	17 7 19	185 505 244	3.07 1.47 3.88	<2 5 10	<5 <5 <5	<2 <2 <2	10 2 8	52 168 43	9.5 14.3 129.7 6.4 1.9	<2 <2 <2	7 2 8	27 4 36	3.92 24.49 2.91	.035 .029 .059	10 5 9	40 9 51	2.68 10.79 2.44	61 71 97	.07 .01 .11	<3 3 <3	1.91 .28 2.18	.07 .01 .06	.62 .17 .97	3 <2 2	<5 <5 <5	<1 1 <1	<.01 <.01 <.01	
LJH-56 LJH-57 LJH-58 LJH-59 LJH-60	178 11	7 13 7 417 27	12 13 12	1		.3 .3 .5	8 11 28	5 5 33	512 1670 1690	1.13 1.56 1.36 9.69 5.01	2 <2 <2		<2 <2 <2	14 10 11	128 176 184	.6 .3 .3	<2 <2 <2	<2 <2 9	15 14 23	8.93 5.83 8.95 4.77 .47	.142 .116 .094	21 22 19	25 16 <1	.32 .29 .48	23 14 42	.11 .09 .10	3 3 <3	.93 1.58 2.94	.07 .08 .19	.20 .09 .22	4 179 793	<5 <5 <5	<1 <1 <1	<.01 .01 <.01 .01 .02	
LJH-61 LJH-62 LJH-63 LJH-64 RE LJH-64	3	23 20 14 23 25	12 5 17		64 < 32 < 68 <	.3 .3 .3	24 12 18	15 6 13	431 225 698	4.20 3.20 1.41 3.20 3.32	<2 7 2	<5 <5 <5	<2 <2 <2	13 10 25	15 40	<.2 <.2	<2 <2 <2	3 2 5	36 14 34	.69		24 20 46	48 27 47	.74 .29 .71	64 36 56	.16 .06 .16	<3 <3 3	1.73 .74 1.72	.03 .04 .03	.73 .25 .54	3 9 11	<5 <5 <5	<1 <1 <1	.01 <.01 .01 .02 .01	
RRE LJH-64 LJH-65 LJH-66 LJH-67 LJH-68	1   1   3	22 9 24 28 98	4 7 6	, ,	52 < 50 < 59 <	.3 .3 .3	10 26 27	6 14 18	776 363 311	3.38 2.05 3.44 3.75 9.08	<2 <2 3	<5 <5	<2 <2 <2	29 10 12	37 44	<.2 .2 <.2	<2 <2	8 2 3	22 25 66		.210 .063 .057	56 15 16	33 26 58	.50 .83 .89	27 71 117	.13 .07 .23	17 <3 <3	1.23 1.71 2.20	.02 .06 .06	.29 .56 .96	172 5 3	<5 <5 <5	<1 <1 <1	.01 .11 <.01 <.01 .01	
LJH-69 LJH-70 LJH-71 LJH-72 LJH-73	1	20 18 23 18 23	19 5 9	2 1 2 2	22 < 79 < 78 <	:.3 :.3 :.3	14 27 25	11 17 14	711 317 380	3.47 3.85 3.11	3 <2 26	<5 <5 <5	<2 <2 <2	4 8 4	73 51 48	.2	<2 <2 <2	2 4 3	39 63 12	1.69 .71 .51	.071 .058 .110	11 12 14	19 47 19	84- 1.01 45-	90 116 42	.04 .22 .01	<3 <3 6	1.49 2.82 1.05	.03 .11 .01	.42. 1.07 .25	4 3 5	<5 <5 <5	<1 <1 <1	.03	
LJH-74 Standard C2/AU-1		4 55		-						1.01 3.83						.2 19.7	2 18				.013 .104													<.01 3.39	
		THIS ASSA - SA <u>Samp</u>	LEACH Y RECO MPLE T Les be	H IS DMMEN TYPE: eging	PART IDED COR	FOR FOR E RE	FOR ROC A	: MN :K AN (U** : <u>e R(</u>	FE S ID CO BY F eruns	R CA F RE SAN IRE AS and S	P LA IPLÉS SSAY <u>'RRÉ'</u>	CR M 1F FROM are	G BA CU PI 1 A <u>Rej</u>	TI BZN .T. ect	B W AS SAMP Reru	ns.	MITE	) FOI	R NA	K AND	AL.		15	DILUTE	D TO	10	ML WI	ітн ш	ATER						
DATE RECEI		: side	FEB 2 red th	7 199 ne co	97 Infic	DA'	TE ial	REI prop	PORT	' MAI of th	LED e cl	: // ient	// <i>a</i>	uh ne ai	- 4 ssum	$\frac{97}{100}$				for a									; CE8	ET 1 F 1		C. / Data		YERS	



Sultan Minerals PROJECT JERSEY FILE # 97-0884



ANALTICAL																																
SAMPLE#	Mo l ppm p														Cd ppm			v ppm	Ca %		La ppm			Ba Ti ppon %	B ppm	Al %	Na %	K %			Hg Au* >pm gm/	
LJH-75	1	22	5	68	<.3	27	17	1264	4.76	17	<5	<2	6	29	.2	4	<2	30	.42	.095	18	28	.82	65.08							1.0	
LJH-76	76	19	7	51	<.3	21	12	916	3.82	64	<5	<2	6	40	_4	6	2	14	.55	.130	17	11	.62	40 .01							<1 _0	
LJH-77	5 -	41	6	24	<.3	Z4	12	444	2.28	47	<5	<2	<2	24	<.2	7	7	-		.035	-	17		18<.01			<.01			<5	1.0	
LJH-78	11	12	-			14	_	650		. –	-	-					-			.093	••		• • •	34 .01							<1 <.0	
LJH-79	14	11	5	34	<.3	16	6	557	1.92	11	<5	<2	3	21	.2	2	3	5	.21	.039	15	17	.33	23<.01	ব	.30	<.01	.17	Z	<5	<1 .0	1
RE LJH-79	14	9	8	32	<.3	13	6	559	1.93	13	<5	<2	3	21	<.2	2	3	4	.21	.036	15	15	.33	34<.01	<3	.30	<.01	.17	2	<5	<1 .0	1
RRE LJH-79	16	8	7	28	<.3	9	6	574	1.93	13	<5	<2	3	21	<.2	3	4	4	.22												<1 <.0	
LJH-80	2	7	7	43	<.3	7	5	829	3.19	4	<5	<2	20		<.2																<1 .0	
STANDARD C2/AU-1	20	57	41	126	6.5	72	35	1097	3.88	43	20	7	35	51	19.2	18	18	69	.51	.107	40	60	.94	185.08	3 27	1.86	.06	. 14	12	<5	13.5	0

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All result are considered the confidential property of the client. Acme assumes in liabilities for actual cost of the analysis only.

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ACME ANAL TCAL LABOR	ATORIES	LTD.	852	E. H	ASTING	S ST. V	םכי יי	VERBC	V6A 1	R6	PHONE	(604)2	53-315	B FAX	(604	53-1716
<b>AA</b>	· .	Sult	an Mir		s PRC		JERSE	<u>ly</u> Fi	le # 9 с V7Y 1K5	97-088	34R					44
SAMPLE#	MO %	CU %	PB %	Zņ	AG oz/t	NI %	CO	MN %	FE	AŞ	U %	TH %	CD %	SB %	BI	<u></u> _
LJH-43 LJH-44 LJH-45 LJH-46 LJH-47	.002	.003 .001 .002	1.33 1	4.71 3.49 5.75 .12 .11	.02 .27 .03	.010< .018< .007 .001< .005<	.001 .001 .001	<.01		.02 .02 .01 <.01 <.01	.01 .02 <.01	<.01	.010 .020 .001<	.00ī	<.01 <.01 <.01	
RE LJH-48 LJH-52	<.001< <.001< <.001 <.001 <.001< <.001	.001 .002 .001	.05 .05 <.01 .01 <.01	.71 .70 .14 1.97 .07		.002 .001<	.001 .001	.03 .03 .02 .05 .02	2.87 1.64	<.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01 <.01 <.01	.010 .001< .010<	.001	<.01 <.01 <.01	
STANDARD R-1	.087	.841	1.30 2	2.27	2.85	.028	.026	.08	6.76	.94	.02	.01	.050	.180	.04	

1.000 GM SAMPLE LEACHED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.

- SAMPLE TYPE: CORE PULP

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 14 1997 DATE REPORT MAILED: ALL 25/4 SIGNED BY. A. D. TOYE, C. LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Dat

ACME ANAL ILABORATORIES LTD. 852 B. HASTINGS ST. VA OU ASSAY CERTIF	JVER BC         V6A         1R6         PHONE (604) 253-3158         FAX (604         53-1716
ASSAY CERTIF. Sultan Minerals PROJECT JERSI P.O. Box 10435, 1610 - 77, Va	ine en en la serie de la complete de la constant de la completa de la constant de la constant de la 🗴 😵 🛦 🖓 🖞
SAMPLE#	W %
LJH-51 LJH-58 LJH-59 LJH-65 RE LJH-65	.02 .02 .09 .02 .02
10/10/1-3/4/	
All results considered the confidential property of the client. Acme assumes the 'a	bilities for actual cost of the analysis only. Dat FA

SAMPLE#	Mo		Pb	Zn	-	Ni				As					D3 ppm	Sb			Ca %		La ppm			Ba Ti ppm 2				K X	W		_	
	[ppm ]	·' ·- ·	ppm										· ·												••					<u>.</u>		
_JH-81 _JH-82	25	9 20 1	368 15158			15 110		299	5.78 16.75	37 159	<5 <5	<2 <2	<2 <2	7	1.6	45	<2 5 2	37 1 278	.53	.017	1	19	.18	55<.0° 2<.0°								.15
JH-83	46	34	4161			119	6	86	16.21	169	<5	<2	<2	5					. 19		<1	35	. 05	5<.01		.07<			7	•		.02
JH-84	45	79	1526	2489	1.2	77	11	391	10.52	141	<5	<2	<2	38	19.4	5	<2	50	7.35	.013				28<.01								.03
_JH-85	6	14	378	214	.9	13	1	492	1.37	10	<5	<2	<2 1	114	1.4	2	7	27 1	6.66	.026	3	7	9.17	17<.0	<3	.04<	.01<	.01	<2	<5	<1	.D1
JH-86	17	6	806	305	1.0	22	1	404	3.51	28	5	<2	<2	137	2.2	4	<2	54 1	15.34	.045	<1	4	8.15	52<.0	<b>&lt;</b> 3	.05<	.01	.02	<2	<5	<1	<.01
.J∦-87	17	19	569	444	. 8	30	1	471	2.75	92	< 5	<2	<2 °	138	3.1	9	<2_1	121	16.77	.047	5	15	8.32	60<.0	<3	.D8<	.01	.03	<2	<5	<1	.02
_JH-88	9	6	233			20	1	183	2.19	24	<5	<2	<2 '	119	2.8	.4	<2	65 2	23.19	.042	Ş	7	4.90	66<.0	1 3	.05<	.01	.02	<2	<5 - E	< ] ~1	.01
JH-89			647			13	2	487	0.06	195	<>	<2 2	~2	120	10.U 191 7	2	4	15 10	18.38	.007	- 1			69<.0 11<.0				.01				.04
_JH-90				8393																				115.0	· *>	.024			<u>۲</u> ۲	~2	~1	.uq
_JH-91	21	7	8259	15836	3.	7 6Z	6	123	13.32	64	<5	<2	<2	12	204.4	14	<2	16	1.49	.005	<1	<1	1.90	2<.0					-	_		.10
_JH-92	31	11	8697	21877 23270	2	5 90	8	88	12.86	58	<>	5	< <u>2</u>	11 .	242.4	17	<2	20	1.55	.004	<1	<   - 1	1.52		1 <3							.11
RE LJH-92 RRE LJH-92	24	15	8002	23083	2.	97 106	0	92 104	14.30	04 80	2 •5	-2	*2 •2	13	240.0	20	~	32	1.46	.004	<1	<1	1.73	4<.0								.11
JH-93				18108			4	412	17.42	78	<5	<2	<2	44	76.5	21	<2	14	4.86	.006	<1	<1	4.87		i <3							.13
JH-94	_	32	7047	3297		אכ ו	7	1.1.9	R 17	72	6		~2	40	173	10	~	17	0 09	005	۲-	<1	6 02	7<.0	1 < 7	.024	.01	.01	2	<b>&lt;</b> 5	<1	.06
JH-95	1			5743			4	346	12.49	63	<5	<2	~2	4R	25.9	7	<2	10	6.80	.005	<1	<1	6.07	6< D	1 <3	.01-	. D1-	< 01	<2			
LJH-96	1 1						3	1339	5.16	16	<5	<2	-2	150	17.7	6	4	13	17.87	.007	2	<1	7.55	54 .0	1 5	.12						
LJH-97	2	31	53	104	· <.)	3 35	16	450	3.37	13	<5	<2	10	39	_4	3	<2	20	.79	.065	15	Z6	.82	6Z .O	64	1.22						<.01
LJH-98	1	15	42	137	' <.'	3 22	12	585	3.53	<2	<5	<2	12	19	.2	<2	<2	30	.56	- 084	18	32	.91	79.1	1 4	1.45	.03	.69	Z	<5	<1	<_01
STANDARD C3/AU-1	25	61	42	160	6.	0 36	12	735	3.30	51	18	3	20	30	22.6	15	21	78	.65	.088	18	161	.64	137 .1	0 17	1.85	.04	. 17	21	<5	2	3.28
date receiv Assay in	TH AS - <u>Sa</u> VED :	IS L SAY SAMP ample M/	EACH RECOM LE TY IS beg	IS PAI MENDEI PE: Co inning	TIAL FOR DRE 1 'RE DAT	FOR ROCK AL <u>' are</u> È RJ	MN FE AND ** BY <u>Reru</u> EPOF	ESR ( CORE (FIR) <u>UNS al</u> A <b>T M</b>	CAPL SAMPL EASSA nd 'RF AILE	A CR ES II Y FRO E' an D:	MG B F CU DM 1 <u>Fe Re</u>	BATI PBZ	B W N AS SAM	AND   > 1   PI #	LIMJ %, AG	TED F > 30	or N. Ppm	АК & А	AND AI U > 1(	L. 000 P	РВ			TO 10					) B.C	. AS	SAYE	RS
0	1	0				Ħg		7	3	ə pp	m																					

ACME ANAT "ICAL LABOR	ATORIES	LTD.	85	2 E. H	ASTING	S ST. V	7 700	VER BC	V6A 11	R6	PHONE	(604)2	53-315	B FAX	(604 1	53-1716
		Sulta	an Mi		s PRC	<b>AY CE</b> JECT 1 5, 1610 -	JERSE	<u> </u>		97-095	52R					AA L
SAMPLE#	MO	CŨ	PB %	Zn	AG oz/t	NI	CÔ	MN %	FE %	AS	U %	TH	CD	SB	BI	- <u></u>
LJH-82 LJH-83 LJH-84 LJH-90 LJH-91	.004	.003 .007 .001	3.02 .40 .16 .76 1.20	.08 .01 .29 .97 1.91	<.01 .08	.024 .011< .006 .003< .011<	.001 .001 .001	.01 .04 .02	38.00 15.91 12.23 21.42 29.51	.01	.02 <.01 .01	<.01 <.01 <.01 <.01 <.01 <.01	:.001 .002< .020	.002 .001 .003		
LJH-92 LJH-93 RE LJH-93 LJH-94 LJH-95	.002 4.001	.001 1 .002 .002 .005 .003	.95	2.72 2.12 2.10 .41 .68	.39	.019 .007< .006 .003< .002<	.001 .001 .001	.04 .04 .05	31.04 23.84 23.74 12.01 18.02	.01 .02		<.01 <.01 <.01 <.01 <.01	.040 .010 .010 .002 .003<	.003	<.01 <.01 <.01	
STANDARD R-1	.087	.841 1	1.30	2.27	2.85	.028	.026	.08	6.76	.94	.02	.01	.050	.180	.04	

1.000 GM SAMPLE LEACHED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.

- SAMPLE TYPE: CORE PULP

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 14 1997 DATE REPORT MAILED:

ACME AN	TICA	L I	LAB	ORA	TO	RIF	SS )	LTD	-	۰Ę	352	Е. Н	AST:	INGS	S ST	'. 'V	7 70	DVE	R B	C 1	V6A	<b>1R6</b>		PH	ONE	(604	)25	3 - 3	L58	F	AX ( (	504)	- 53-	-171	L6
ΔΔ			۰.					11 - 1 - -			G	EOCI	IEM	[CA]	LA	NAI	'XS]	IS (	CER	TI	7IC)	ATE		i Lin								· ·			
TT								<u>S</u>	ult	an	Mi	nera P.O.					JEI 77, V						7-0	953	,					1	it V				
SAMPLE#		to xn p	-	Рb ppm			Ag ppm	Ni ppm	Co ppm	Mn ppm		As ppm	U	Au	Th ppm	<u>.</u> \$г	Cd	Şþ		٧	Ca	<u> </u>	La ppm		Mg %	Ba ppm		B ppm	A1 .\$	Na X			T) ppm		
JU 2788 0-4.1 ⊭JU 2788 4.1-10 JU 2788 19-24 JU 2788 30-35 JU 2768 35-39.5		4 4 3 3 3 1 1	264 267 213	48 67 33 169 35	2 4 59	5 8	3.5 6.2 8.4	6 23 31 19 22	45 143 57	4473 8093 9804	14,20 24,39 12,79	2 32 0 609 5 376 5 245 2 324	<5 5 <5	<2 7 <2	<2 <2 <2	22 62 58 107 87	<.2 .2 .7 7.3 1.1	22 13	19 1044 15	16 32 17	3.57 5.73 13.56	.008 .011 .011	<1 <1 3	<1 <1 <1	.76 2.09 5.01 7.44 5.89	26 59 12	<.01 <.01 <.01 <.01 <.01 <.01	5 <3 <3	.28 .77 .06	.01 .01 <.01		<2	\$ \$ \$ \$ \$ \$ \$ \$	<1 <1 <1	6.86 .66 7.85 .07 .36
JU 2788 40.2-44 JU 2788 44-51 JU 2789 0-3 JU 2789 10-14.9 JU 2789 51-55	]	14 1	109 171 .	1579	4517 5023 113	3 4 18 1 12 1	4.3 7.6	16 10 7 8 11	29 34 101	7634 9656 8016	5.9 8.3 21.9	1 41 5 33 5 475 4 4269 3 48	<5 <5 <5	<2	<2 <2	107 142 119		4 23 103	79 87	38 19 16	14.86 14.50 4.60	5 .013 1 .013	4 4 <1	4 3 <1	3.55 7.51 7.69 3.91 1.00	57 21 11	<.01 <.01 <.01 <.01 <.01	3 <3	.17 .06 .04	<.01 <.01 <.01	.03 .01	<2 <2 <2	<5 <5	<1 <1 <1	4.82 .51 .09 .80 .03
JU 2789 66-75 JU 2790 0-7 JU 2790 19.8-26.3 RE JU 2790 19.8-26 RRE JU 2790 19.8-26	6.3	2 16 16	97 109 103	8120 8004	75 4522 4312	4 24 8 23 8	1.8 6.7 3.5	21 8 25 24 22	41 14 13	9271 2883 2724	8.9 7.3 7.0	9 92 8 579 6 1034 0 986 2 600	<5 <5 <5	<2 <2	2 <2 <2	130 131 123	1.2 6.7 345.3 333.0 271.3	14 150 149	<2 176 162	12 25 24	14.92 13.72 12.89	2 .010 2 .012 3 .011	4 4 4	<1 <1 3	92 7.67 7.81 7.49 6.33	13 11 11	<.01 <.01	<3 <3	.05 .05 .05	<.01 <.01 <.01	. 02	<2 <2 <2	<5 <5 <5	<1 <1 <1	.01 .09 .12 .12 .23
JU 2791 29.3-39 JU 2791 39-44.3 JU 2792 6-4 JU 2792 4-6 JU 2792 6-10		2 7 2	364 48 7	83 310 188	22 568 167( 32 518	81 19 23	2.5 4.3 3.4	5 3 6 2 9	73 19 2	5330 6651 1753	) 21.8 . 5.7 } .8	1 1007 8 634 2 384 9 46 6 995	₩ \$~ \$~ \$	<2 <2	<2 <br <2	49 139 188		39 16 3	<2 5 6	8 21 11	2.65 18.23 21.40	7 .008 5 .014 3 .010 0 .009 9 .021	<1 3 2	<1 <1 2	3.15 1.35 9.16 10.34 4.26	5 48 22	<.01 <.01 <.01 <.01 <.01 .01	<3 <3 4	. 02 . 08 . 06	<.01 <.01 <.01		<2 <2 4	<5 5 <5	<1 <1 <1	.69 .25 .05 <.01 .08
JU 2792 10-16.5 JU 3268 43 5-48 JU 3268 58-65.5 JU 3268 70-72.5 DU 523 293-332.6		4 <1 <1 <1	306 417 803	44 36 9		56 90 19	.8 1.5 2.3 2.3 3.4	3 8	100 171 186	10900 8892 3493	) 20.2 2 24.9 3 27.0	3 58 2 1448 8 115 6 29 7 227	<5   <5   <5	<2 <2 3	<2 <2 <2	97 42 26	.7 1.3 < 2	18 <2 <2	<2 <2 72	13 7 23	7.29 5.31 3.61	3 .012 5 .028 1 .031 8 .022 0 .011	1 <1 <1	<1 <1 <1	9.05 3.36 2.36 1.06 .22	11 B 12		<3 <3 <3	.03 .03 .09	<.01 <.01 <.01	<.01 <.01	 <2	<5 <5 <5	<1 <1 <1	<.01 .12 .01 5.27 .04
DU 523 343.9-351 STANDARD 63/AU-1		11 25					5.5 6.1	10 34	65 11	4409 731	5 15.9 7 3.2	18 20 27 53	) 10 3 26	5 4	<2 19	21 29	<.2 23.7	<2 16	741 22	33 77	2.50 .51	6 .136 6 .087	2 18	<1 155	1.12 .61	22 137	.01 .10	<3 18	.46 1.80	. 02 . 04	. 25 . 16	1259 21	<5 <5		3.35 3.22
DATE RE		TH As:	IS L SAY SAMP	EACI RECO PLE	K IS DMMEI TYPE	PAR NDEI : Cl	RTIA D FO ORE	L FO R RO	r mn Ick a Au**	FE S ND CO BY F	R CA RE SA IRE A	H 3ML P LA MPLES SSAY <u>'RRE'</u>	CR MG IF C FROM	BA 1 U PB 1 A.1	TIB ZNA T.SA	W ANI S > Mple	) LIM) 1%, A( -	ITED G > 3	FOR N 0 PPM	NAK 1&A	AND A	AL. 1000	PPB												
	* (											LED:	Ĥ	Ŵ	²Ch	13	47 ^s	HIGN	ED :	вү.	• • • •			.D.TC	OYE, C	- LEOI	4G, J	. WANG	; CE	RTIF	IED I	3.C.	ASSAY	ERS	
All resul	evised				he c	opf	iden	* : . !			. cf .		<b>*</b>	6.000				liebi	1			·				, .						5.4	1	F۵	

ACME ANAL" TCAL LABORATORIES LTD. 852 E. HASTINGS ST. VAN OUVER BC V6A 1R6 PHONE (604) 253-3158 FAX (604' 53-1716 ASSAY CERT_FICATE Sultan Minerals PROJECT JERSEY File # 97-0953R2 P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 SAMPLE# W 8 JU 2788 0-4.1 JU 2788 4.1-10 DU 523 343.9-351 .11 .02 .22 RE DU 523 343.9-351 .23 W BY REGULAR ASSAY ICP. - SAMPLE TYPE: CORE PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns. MARZS SIGNED BY. ..... MAR 14 1997 DATE REPORT MAILED: .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS DATE RECEIVED: All results r considered the confidential property of the client. Acme assumes the abilities for actual cost of the analysis only. Dat

SAMPLE#	Mo ppm p							Mn ppm							Cd ppm t				Ca %		La ppm p				Ti % P		Al %	Na %		W ppm			Au** gm/t	W %
_JH-99 _JH-100 _JH-101 _JH-102 _JH-102 _JH-103	1 9	26	7 8 7	60 36 48	<.3 <.3 <.3	11 26	9 12 16	421	4.15 3.08 4.32	11 61 32	<5 <5 <5	<2 <2 <2	15 19 3	22 22 35	<.2 <.2 <.2	<2 <2 <2	<2 <2 <2	44 28 36	.51 .37 .72	.061 .122 .051 .076 .220	30 29 8	44 52 37	.56 .83 .86	107 121 115	.23 .09 .12	종 1 종 1 종 1	.38 .46 .94	.04 .05 .02	.78	3 3 4	<5 <5 <5	1 <1 <1	<.01 .01 <.01 <.01 <.01	- - - -
LJH- 104 LJH- 105 LJH- 106 LJH- 107 LJH- 108	50 6	21 26	7 <3 15	61 42 52	<.3 <.3 <.3	31 19 42	17 14 37	509 1364	3.96 3.47 6.31	<2 62 38	<5 <5 <5	<2 <2 <2	13 20 6	16 82 39	<.2 <.2 <.2	<2 <2 <2	<2 <2 <2	41 14 40	.25 1.55 .93	.070 .062 .435 .072 .051	26 53 14	50 45 41	.97 .67 .74	99 45 56	.11 .05 .07	<3 ° 8 3 2	1.99 .88	.02 .01 .11	.81 .89 .30 .68 .59	<2 4 <2	<5 <5 <5	<1 1 <1	<.01 <.01 <.01 <.01 <.01	.04
LJH-109 LJH-110 RE LJH-110 RRE LJH-110 LJH-111	4 21 21 17 1	23 23 26	10 12 7	242 232 219	<.3 <.3 <.3	28 28 30	14 14 15	2544 2547 2772	4.04 4.08 4.52	67 68 74	<5 <5 <5	<2 <2 <2	7 7 7	59 59 65	1.4 1.3 1.3	<2 <2 <2	<2 <2 2	16 15 15	1.03 1.03 1.12	.069 .110 .110 .112 .074	12 12 12	18 19 16	.69 .69 .74	56 57 61	.03 .03 .03	7 7 7	.72 .72 .76	.02 .02 .03	.63 .39 .39 .44 1.09	3 3	<5 <5 <5	<1 <1 1	<.01 <.01 <.01 <.01 <.01	- - -
LJH-112 LJH-113 LJH-114 LJH-115 LJH-116	191 6 22 9 1167	6 6 2	18	50 10 24	<.3 <.3 <.3 <.3 <.3	3 3 2	4 1 1		1.63	60 103 82	6 9 9	<2 <2 <2	22 24 19	97 66 63	<.2 <.2 <.2	<2 <2 <2	<2 <2 <2	1 <1 <1	.82 .51 .53	.014 .057 .016 .017 .020	23 12 12	10 13 13	.28 .05	18< 16< 17<	.01 .01 .01	7 6 9	.31 .42 .22 .21 .35	.03 .03 .01	.20 .18 .20 .21 .18	4 3 4	<5 <5 <5	<1 <1 <1	<.01 <.01 <.01 <.01 <.01	• • •
LJH-117 STANDARD C3/AU-1	38 24	5 64	19 35	18 142	1.7 6.0	3 37	1 13	530 878	.63 3.27	419 57	11 19	<2 <2	20 18	36 31 :	<.2 23.2	<2 14	<2 21	3 83	.39 .60	.018 .098	15 19	15 165	.08 .64	17< 137	.01	5 16	.33 1.89	.03 .D4	. 15 . 17	6 18	<5 <5	<1 1	<.01 3.30	-
DATE RECEIV	TH15 W BY ASSA - SA <u>Sam</u> r	ELEA FUS Y RE MPLE	ICH SION COMI TYI beg	IS P , AN MEND PE: <u>inni</u>	ARTI ALYS ED FI CORE ng 1	AL FC IS BY DR RC RE <u>′</u> ∉	OR MN / ASS DCK / AU*/ are F	FE S AY II	R CA P. DRE S TRE and	P LA AMPLE ASSAY 'RRE	CR # S IF FROI	MG B/ CU 1 M 1 J <u>e Re</u>	A TI PB ZP A.T. je⊂t	E W N AS SAM	AND > 1% PLE.	LIMI 6, AG	TED 5 > 3 7	FOR D PP	NA K	ONE I AND	ΑĿ.		7						JATER.		ED E	1.C.	ASSA	YERS

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AMPLE#	Mo	Cu ppm	Pb ppm		Ag ppm			Mn ppm		As pprn p					Cd ppm p				Ca %		La ppm p			Ba ppm									
JH - 118 JH - 119 JH - 120 JH - 121 JH - 122	<1 4 5	<1 <1 26 98 2		<b>9</b> 5		2 13	<1 2 4	30 323 458	1.02 .17 3.87 17.87 3.16	3 8 21	<5 <5 15	<2 <2 <2	9 9	50 59 1 71 9	.9  3.3  5.5	<2 <2 5	<2 <2 1 16	34 873 28	1.70 5.09 4.88 7.90 52.62	.002 .090 .023	<1 3 6	1 <1 1 4 3	.44 .09 3.74	12< 18< 49< 89 39<	01 · 01 · 06 ·	ব . ব . ব .	.01 .05 .95	.01 . .01 . .02 .	01 06 25	<2 <2 <2	<5 <5 <5	<1 < 1 < <1	.01 .01 .01
JH- 123 JH- 124 JH- 125 JH- 126 JH- 127	<1 5 11	9 11 5 2 17	8	1183	<.3 <.3 <.3	3 1	13 1 <1	157 970 917	8.63 2.09 1.16 .28 3.03	49 3 <2	<5 <5	<2 <2 <2	11 5 <2 28	59 89 8	.3 9.0 <.2	2 <2 <2	<2 <2 4	21 6 2 <1	23.61 2.09 22.54 .21 1.01	.034 .046 .003	14 6 5	31 ° 5 9 12	1.03 7.85 .06	23 . 10<.	11 02 01	<3 . 13 . <3 .	.59 . .41 . .15 .	.01 .01 .04	.15 .15 .09	<2 17 3	<5 <5 <5	<1 <1 < <1 <	.01 4.01 4.01
JH-128 JH-129 E LJH-129 RE LJH-129 JH-130	5	57 116 111 105 159	4 <3 15 <3 6	46 62 61 63 99	.3 .5	6 7	15 14 16	904 881 1009	3.18 5.85 5.67 6.67 6.34	<2 <2 <2	5 <5 <5	<2 <2 <2	6 10 10 10 10	64 62 70	<.2 .2 <.2	<2 <2 <2	<2 2 <2	15 14 15	1.52 2.19 2.15 2.46 1.09	. 160 . 165 . 162	32 31 31	14 13 15	.54 .53 .55	28 22 22	.01 .01 .01	<3 4 <3	.83 .80 .84	.01 .01 .01	. 11 . 10 . 10	3 3 2	<5	<1 < <1 < <1 <	<.01 <.01 <.01
.JH-131 .JH-132 .JH-133 IU 2812 71-76 IU 2843 0-6.5	4   77   <1	7 9 5 586 277	82 11 39 3 68	13 68 4	1 7	243	2 1 152	388 653 2080	1.78 .98 .86 33.97 21.07	23 99 277	<5 13 <5	<2 <2 <7	15 19 3	29 63 33	<.2 .6 <.2	<2 7 <2	<2 6 4	2 1 1	.68 .59 .80 3.61 2.13	.052 .031 .004	12 13 1	8 11 <1	.19 .15 .24	18<. 18<. 7<.	.01 .01 .01	8 9	.40 .20 .01<	.02 .02 .01	. 13 . 15 . 01	2> <2	<5 <5 <5	<1 < <1 2	.0Z .01
JU 2843 6.5-10.5 JU 2843 10.5-18.5 JU 2843 18.5-20.5 JU 2844 0-7 JU 2844 18.3-23.3	<1   <1   <1	429 224 414 14 78	64 21 106	57 8 0	1.2 .6 2 4	<1 10 <1	40 128 33	9447 3336 6170	27.55 22.38 34.78 17.41 9.01	775 54 7047	<5 <5 8	<2 <2 <2	3 4 2	56 21 27	<.2 <.2 <.2	<2 <2 8	13 <2 <2	9 12 7	3.28 1.15 2.39	.011 .007 .019	1 1 <1	<1 2 <1	2.20 .58 1.82	7< 34< 10<	.01 .01 .D1	3 <3 <3	.02 .28 .01	.01 .01 .01	.02 .10 .01	2 2 <2	<5 <5	1 <1 <1 (	62. 02. 6.60
JU 3258 82.9-86 RE JU 3258 82.9-86 RRE JU 3258 82.9-86 JU 3479 14.1-21 JU 3479 21-29	<1 <1 1	430 432 486 30 35	50 10	58 54 48	1.2 1.1 .3	<1 1 33	155 165 15	10480 10774 268	18.79 19.89 19.36 3.48 3.85	182 157 5	<5 <5 <5	<2 <2 <2		42 44 39	.8 .6	<2 <2 <2	17 8 <2	13 13 29	6.50 6.58 6.99 1.59 3.27	.033 .031 .052	1 1 15	<1 <1 44	3.59 3.80 1.00	29< 32< 73	.01 .01 .08	4 <3 <3 2	2,52	.01 .01 .04	.15 .16 .40	<2 <2 2	<5 <5 <5	<1 <1 1	.04 .03 .01×
JU 3479 83.8-87.8 JU 3479 94.3-104.0 STANDARD C3/AU-1	1	174 149 5 65	69	138	. 4 5	<1	81	10815	17.96 14.84 3.51	1487	<5	<2	7	89	.8	84	6	7	7.04	.020	1	<1	3.24	5<	.01	<3	.02<	:.01	.01	<2	<5	<1	. 19
DATE RECEI	ר א 1	THIS ASSAY - SAM Sampl	LEACH RECOM PLE TY	IS PAP MENDEC PE: CO Jinning	FIAL FOR RE <u>(RE</u>	FOR ROCK AU are	MN FE AND ** BY Reru	SR C CORE FIRE Ins an	ITH 3MI A P LA SAMPLE: ASSAY d 'RRE ATLEI	CR MO S IF ( FROM / are	G BA CU PE 1 A. <u>Reje</u>	T] B 3 ZN .T. S ect R	W AN AS > AMPL1	ND LJ 1%, E. <u>5-</u>	MITED	) FOF 30 F	₹ NA >PM &	K AN ; AU	ID AL.		Ĵ			0 10 .LEON					1 ED	B.C.	ASS	AYER	S

ACME ANAT TICAL LABORATORI		852 E. an Minera P.C	AS 1s PF	SSAY C	ER1-F	I <mark>CATE</mark> IY F	ile #	97-1:		E(604)	253-31	.58 FA	K (604)	253-171 AA
SAMPLE#	MO %	CU PB	Zn %	AG oz/t	NI	CÔ	MN %	FE %	AS %	U %	- TH %	CD %	SB	BI
LJH-121 JU 2844 18.3-23.3 RE JU 2844 18.3-23.3	.001 .0 <.001 .0 <.001 .0	011 .64 010 1.23 010 1.23	1.47 1.42 1.44	.22 .60< .60<	.008< .001< .001<	.001 .001 .001	.04 .38 .38	22.99 10.83 10.93	<.01 .02 .02	<.01 <.01 <.01	<.01 <.01 <.01	.010< .012 .013	.001 .002 .002	<.01 <.01 <.01
DATE RECEIVED: APR 9 1997	- SAMPLI <u>Samples</u>	M SAMPLE LEACH E TYPE: CORE F beginning 'RE DRT MAILED	PULP <u>'are Re</u>		'RRE' are	Reject	Reruns.	P			J.WANG;	CERTIFIE	D B.C. A	SSAYERS

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CME AN TICA	L LAB	DRAT	ORIE	S L'	rD.		11.11	2 E.		e da la		Carris.				50	11. Q	V61		·** . *		PHOI	NE ( 6	04)2	:53 -	315	8	FAX	(60		53-17
					<u>Su</u>	<u>lta</u> P.O.	in M	ine	era	15	PI	۲OS	EC	ALYS <u>FJE</u> er BC	<u>IRS</u>	EY	F	'IFI( 'ile ubmitt	#	97-					•						<b>£</b>
SAMPLE#	Mo Cu IPPM PPM			-	Ni ppm			Fe %p				Th ppm p		Cd ppm	Sib ppm	-		Ca %		La ppm			Ва ррт	Ti 71 % PP		AL /					lg Au** m gm/t
LJH-134	Z 10	4446	50547	1.4	5	3	415	.91	5	<5	<2	_		403.4	8			22.72		7			181<.			20 .					1 .01
LJH-135	2 20	1543	32605	2.4	5	2	475 1	.23			<2	22	20 2	269.7	6	- 3		21.03		7			37<.		_	29 .1			-	-	1 .02
LJH-136	1 12	246	29130	.6	13		371 1	-			<2			227.5	8			19.99		10			217<.			44<.			< <u>2</u> ·	-	(1 <.01
LJH-137	<1 <1	37	290	.3	1									3.4				37.95		1			42<.			01<.					1 <.01
LJH-138	1 <1	32	213	.3	2	<1	91	.79	24	<5	<2	<2 1	47	1.9	2	<2	12	36.98	.008	1	1	1.23	54<.	.01	3.	UZ<,(	11 .	01 -	<2 ·	0	(1 <.01
LJH-139	7 106	. 9	177	<.3	20	3	235 2	.22	<2	<5	<2	<2	84	.8	<2	<2	13	12.82	.007				28<		-	03<.					(1 <.01
LJH-140	7 129	164	191	1.6	28	1	206 7	.17	<2	<5	<2	<2 1	51	2.4	<2	_		26.87		1			<b>56</b> <			03<.			_		<1 <.01
LJH-141	6 42	6	292	<.3	- 34	4	224 1	.02	9	5	<2	<2	16	.6	<2			2.03		2			102<			05<.			<2 ·		1 <.01
LJH-142	8 120	17	154	<.3	47	3	364 1	.75	29	<5	<2	<2	48	.5	<2	_		5.95		4		1.76				04 .			-		<1 <.01
LJH-143	5 115	13	42	<.3	21	1	434 Z	.55	3	<5	<2	<2 1	04	.3	<2	<2	28	15.41	.007	4	<1	7_34	28<	.01 (	54.	.D2<.	01.	01	2	<b>&lt;</b> 5 ·	<1 <.01
LJH-144	3 213	135	87	.8	37	3	638 5	.48	<2	<5	<2	<2	81	1.0	<2	-		14.56		-			27<			.02<.					<1 <.01
LJH-145	7 71		114	<.3	50	- 4	496 1	.96	5	<5	<2	<2	37	.3	<2			5.84				2.47				.03<.				-	<1 <.01
LJH-146	12 19	6	471	i <.3	83	3	524 1	.23	10	<5	<2	<2	20	1.1	_	-		3.52		_	• •	1.45				. 06 .					<1 <.01
RE LJH-146	11 18		450	) <.3	82	3	528 1	.23	9	<5	<2		19	1.0		_		3.50		_		1.45				.06 .			_	-	<1 <.01
RRE LJH-146	9 22	2 7	858	3 <.3	96	4	547 1	.32	14	<5	<2	<2	20	1.8	<2	<2	164	3.66	.029	2	48	1.47	13<	.01	7	.06 .	01.	01	<2	<>	1 <.01
LJH-147	85 75	; ;	75	5 <.3	147	4	410 1	.93	3	<5	<2	<2	55	.3	<2	<2	139	9.38	.083	4		4.60		.01		.05<.				_	<1 <.01
LJH-148	18 46		245	i <.3	38	2	429 1	.34	3	<5	<2	<2	86	2.3	<2	Z	- 77	13.37	.055	5		6.22	• •			.05<.			_		<1 <.01
LJH-149	,	0 4608				1	501 1	.68	2	<5	<2	<2	8Z	43.6	9			16.96	-			7.74		.01		.03<.			<2		<1 <.01
LJH-150	2 84			J.4	30	3	384 Z		3	<5	<2		90	1.8				16.33				6,52				.03<.			<2		<1 .02
LJH-151	6 21	7 1360	) 1043	3.6	52	5	575 7	7.35	<z< td=""><td>&lt;5</td><td>&lt;2</td><td>&lt;2</td><td>79</td><td>16.1</td><td>&lt;2</td><td>12</td><td>Z4</td><td>14.31</td><td>.005</td><td>3</td><td>&lt;1</td><td>6.76</td><td>21&lt;</td><td>.01</td><td>33</td><td>.02&lt;.</td><td>01.</td><td>01</td><td>7</td><td>&lt;5</td><td>&lt;1 &lt;.01</td></z<>	<5	<2	<2	79	16.1	<2	12	Z4	14.31	.005	3	<1	6.76	21<	.01	33	.02<.	01.	01	7	<5	<1 <.01
LJH-152	1 15	5 213	3 254	4.ε	5 10	ĩ	299 1	.46	7	<5	<2	<2 ⁻	184	2.0	<2	<2	44	24.71	.012	3	8	7.51	52<			.03<.					<1 < 01
STANDARD C3/AU-1	23 6	1 32	2 149	9 5.4	33	12	799 3	5.22	54	17	<2	18	28	22.3	17	15	80	.54	.092	16	156	.60	137	.07	19 1	.71 .	V4 .	18	17	<5	<1 3.18

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-HZO AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 17 1997 DATE REPORT MAILED: MAN 25/9 SIGNED BY J. ...D. TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Data / FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE (604) 253-3158 FAX (604) 253-1716 ASSAY CE. TFICATE Sultan Minerals PROJECT JERSEY File # 97-1191R P.D. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 SAMPLE# MO % Zn AG % oz/t ĊŬ PB % NI % CÔ MN % FE % AS % U TH ∛ ĊD SB % BI ş ÷ 웅 LJH-134 .001<.001 .53 5.53 <.01<.001<.001 .17 3.46 .05<.001<.001 .04 .93 <.01 <.01 <.01 .041 .001 <.01 .04 1.30 <.01 <.01 <.01 .027 .001 <.01 .04 1.32 <.01 <.01 <.01 .024 .001 <.01 LJH-135 LJH-136 .17 .001 .001 .001<.001 .03 3.11 <.01 .001<.001 RE LJH-136 4.001<.001 .03 3.11 <.01 .001<.001 .04 1.33 <.01 <.01 <.01 .024 .001 <.01 1.000 GM SAMPLE LEACHED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP. - SAMPLE TYPE: CORE PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns. / Hpm/16/47 SIGNED BY .......................D. TOYE, C. LEONG, J.WANG; CERTIFIED B.C. ASSAYERS DATE RECEIVED: APR 9 1997 DATE REPORT MAILED: All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only. Data

ACME ANAI TCA	AL LABORATORIES LTD. 652 E. HASTINGS ST. VAN UVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)2  -1716 GEOCHEMICAL ANALYSIS CERTIFICATE Sultan Minerals PROJECT JERSEY P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Jack Denny
SAMPLE#	No Cu Pb Zn Ag Ni Co Mn. Fe As U Au Th Sn Cd Sb Bi V. Ca. P La Cn Mg Ba Ti B. Al Na. K. W. Tl Hg Au** ppm.ppm.ppm.ppm.ppm.ppm.ppm.ppm.ppm.ppm
LJH-153 LJH-154 LJH-155 LJH-156 LJH-157	8       263       152       399       1.2       43       4       182       15.05       5       <5
LJH-158 LJH-159 LJH-160 RE LJH-160 RRE LJH-160	2       5       119       177       .3       5       1       258       1.76       5       <5
LJH-161 LJH-162 STANDARD C3/AU-1	2 79 19 46 <.3 29 20 281 3.83 <2 <5 <2 8 34 <.2 <2 3 21 .47 .056 10 24 .86 69 .04 <3 1.62 .01 .58 <2 <5 <1 <.01 104 237 168 20 .3 16 40 334 5.87 60 <5 <2 12 17 <.2 <2 5 20 .23 .095 12 19 .51 24 .02 <3 .96<.01 .20 3 <5 <1 <.01 24 61 37 152 5.2 35 12 726 3.28 50 19 3 17 30 22.3 15 24 77 .67 .088 17 155 .65 146 .10 17 1.81 .04 .17 24 <5 <1 3.24

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns. 

Data (/---

ACME ANA	'ICA	L L/	BOR	TORI	ES I	TD.	<u> </u>	85	2 E.	HAS	TIN	IGS	ST.	VA	OUVE	RB	C	V6A	1R6		PH	ONE (	604)	- 253-	-31	.58	FAX (	604	) ? " ?	-1	716
ΔΔ													ANA					.: .								· *				A	A
TT					<u>Su</u>	<u>lta</u>	<u>n</u> P.0.	<u>Mine</u> Box	<u>eral</u> 10435,	<u>8 P</u> 1610	<u>RO.</u> 7	<u>JEC</u> 7, V	T JE	RSE er BC	<u>Y</u> √7y 1i	Fil K5	e Subr	# 97 nitted	'-12 by: J	74 Jack I	Denn	Page v	2 l						Ĩ	T	T
SAMPLE#	Mo	Cu	Pb	 Zn		Ni	Co	Mn	Fe	As		Au	Th S	r C	d Sb					La			Ba	Ti	В	AL N	ia K	w	 7 l	Hg	 \u**
	ppm	maga	ppm	ppm	ppm	ppm	ppm	ррп	%	ppm	ppm	ppm	qq mqq	m pp	m ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	% pp	m		% %				
AU-1 AU-2 AU-3 AU-4	6 2 3 4	26 8 53 49	2139 236 2280 613	7646	.8 6.3		3 12	5201 3719	2.85 1.28 2.90 2.42	50 198	10 11	<2 <2	<2 23 2 19 <2 17 <2 24	9 10. 8 52.	5 40 6 98	<2 14	17 30	21.91	.062 .040	2	3 <1	9.60	20<. 17<. 13<. 20<.	01 01 <	5 3	.04<.0 .03<.0 .04<.0	)1<.01 )1<.01	<2 <2	<5 <5	<1 <1	.11 .04
AU-5	3	405	105	-	3.5	5			19.20		<5		<2 6				25	6.58	.025		<1	3.80	22<.	01 <	3 3	.03<.0 .11<.0		-		<1 <1	.01 .15
AU-6 AU-7 AU-8 AU-9 AU-10	<1	7 1145 1025 1074 <b>3</b> 0	18 14 <3 <3 11	4 3	.4 1.9 <.3 .7 <.3	2	90 195 180	1062	40.32	21 383 19 13 6	<5 10 <5 <5 <5	< < < < < < < < < < < < < < < < < < <	2 19 <2 6 <2 <2 1 <2 19	0 <. 9 . 5 <.	3 <2	<2 <2 6	5 4 5		.004 <.001 <.001	<1 1 1	<1 <1 <1 <1 <1	.18 <.D1 .05		D1 < 01 < 01 <	3 3 3	.02<.0 .01<.0 .01<.0 .03<.0 .02<.0	)1<.01 )1<.01 )1<.01	<2 <2 34	<5 <5 <5	<1 <1 <1	
AU-11 AU-12 RE AU-12 RRE AU-12 AU-13	<1 <1 <1 <1 <1	156 21 21 19 3	15 14 15 13 16		<.3 .3	1 <1	14 12 11	6844 2309 2283 2331 1971	1.33 1.33	25 6 5 4 55	<5 <5 <5 <5	<2 <2 <2 <2 <2 <2 <2	3 14 2 17 <2 17 <2 16 <2 19	2	9 <2 6 <2 4 <2 6 <2 2 <2	<2 <2 <2	9 9 8	29.19 35.83 35.68 34.46 42.70	.018 .018 .017	1 1 <1	2 2	1.50 1.49 1.41	22<. 25<. 24<. 24<. 22<.	01 < 01 < 01 <	3 3 3	.04<.0 .02<.0 .02<.0 .02<.0 .02<.0	01 .01 01 .01 01<.01	<2 2 2	<5 <5	<1 <1 <1	<.01 <.01
AU-14 AU-15 AU-16 AU-17 AU-18	<1 <1 <1 <1 <1 <1	417 262 388 596 405	47 37 34 36 92	3 8 4 2 3	.9 .4 .8 .8		97 98 182	12265 9940 3760	28.89 17.28 25.06 30.78 26.97	549 411 131	5 <5 <5		<2 2 <2 6 <2 3 <2 2 <2 4	2 <. 6 <. 4 <.	2 <2 2 <2 2 <2 2 <2 2 <2 2 <2 2 <2	<2 <2 <2	11 8 6	2.51 7.68 5.02 2.39 3.65	.034 .022 .006	<1 <1 <1	<1 <1 6	3.67 1.05	7<. 9<. 6<.	D1 < 01 < 01 < 01 <	3 3 3	.01 .0 .02<.0 .02<.0 .01<.0 .01<.0	)1<.01 )1<.01 )1<.01	<2 2 <2	<5 <5 <5	<1	.23 .05 .02 .03 .08
AU-19 AU-20 AU-21 AU-22 AU-23	<1 2 <1 5 6	154 63 1 31 107		138			60 3 7	14626	15.36 1.72 1.69	2796 449 60	<5 <5 <5	<2 <2 <2	<2 6 <2 7 <2 33 <2 26 <2 11	Z. 4. 3.80.	3 3 9 21	<2 <2 11	36 16 24	3.86 7.28 37.67 24.87 14.19	.022 .013 .052	<1	<1 <1 4	5.10 2.86 9.66	10<.	01 01	3 3 5	.03<.0 .01<.0 .01<.0 .01<.0 .07<.0	)1<.01 )1<.01 )1 .03	<2 <2 <2 <2	<5 <5 <5	<1 <1 <1	.96 .60 .08 .02 .06
AU-24 RE AU-24 RRE AU-24 AU-25 AU-26	2 2 2 3 2	14 16 14 2 2	1409 1425 1620 1212 146	5303 5096	3.7 3.8 3.9 2.D .5			2386 2421 2316 679 296	1.39 1.37 1.41 .98 .38	18 13 14 5 6	<5 9 <5	<2	2 20 <2 20 3 20 <2 23 <2 21	749. 046. 16.	35 75 9<2	3 <2 <2	39 39 17	22.74 23.07 22.04 26.58 37.53	.046 .045 .022	3 3 4 3	4 4 4	10.18 9.71	85<. 28<.	01 01 01	5 5 5	.17<.0 .16<.0 .16<.0 .03<.0 .03<.0	01 .12 01 .11 01 .02	<2 <2 <2	<5 <5 <5	<1 <1 <1	.01 .01 .01 .01 .01
AU-27 AU-28 AU-29 AU-30 AU-31	3 1 1 2 2	3 2 723 18 29	459 33 24 172 360	92 67 694	.4	5	5	6224	.98 .22 28.92 2.23 2.30	17	5	<2 <2 <2	<2 28 <2 18 <2 6 4 18 3 24	5. 3. 16.	8 2 9 <2 9 7	, 5	6 42 12	31.61 37.62 5.99 21.15 20.77	.009 .006 .013	<1 5	1 <1 6	2.53 3.93 9.36	73<. 12<. 11<. 85 . 18<.	01 01 < 01	3 3 4	.08<.0 .01<.0 .44<.0 .48 .0 .09<.0	)1<.01 )1<.01 )1 .19	<2 <2 <2	<5 <5 <5	<1 <1 <}	<.01 .01
AU-32 STANDARD C3/AU-1	4 25	9 65	133 39	1230 162		2 35	1 14	2070 817	.91 3.54	20 56	<5 26	<2 3	<2 26 19 3	5 11. 2 26.	4 Z 1 18	<2 26	9 82	22.86 .62	.D10 .094	3 18	4 168	10.21 .67	32<. 154 .	01	7	.10 .0	91 DA	~2	~5	<b>~</b> 1	<b>D1</b>
		THIS ASSAN - SAN	LEACH RECOUNT PLE T	GRAM S IS PAN MMENDEN YPE: CO ginning	RTIAL D FOR DRÉ	FOR ROCK AU	MN F (AND /** B	E SR D CORE Y FIRE	SAMPLE SAMPLE SASSA	AL 3-1 A CR M ES IF ( FROM	)-2 H 1G BA CU P 1 1 A	ICL-H TI B ZN	NO3-H2 B W AN AS > SAMPLE	O AT 9 D LIMI 1%, AG	5 DEC TED F	i.C Tor N	FOR I	ONE HO	UR ANI	) 1\$									*		~1
DATE RECE: All results ar												VZ me a	1 / / 1 ssumes		SIGN iabil			L. //. L. actu	مبرر ر al cos	] it of	D.TO the	YE, C. analy	LEONG, /sis of	, J.₩ niy.	ANG;	; CERT	IFIED		ASSA a ( -	YERS	AN

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Sultan Minerals PROJECT JERSEY FILE # 97-1274



Page 2

SAMPLE#	Мо ррп						Со ррп	Мп ррт		As ppm			îh Sr ppr⊫ppr			Ві ррт		Са %		La ppm				i B % ppm	Al %	Na %					Au** gm/t
	<u> </u>						 				_					<u> </u>	÷				<u>. /</u>		<u> </u>						•		-
AU-33	5	9	1007	666	4.6	- 4	- 3	5216	2.05	38	<5	<2	2 237	' 10.6	- 4	6	6	22.32	.009	- 4	1	9.31	56<.0	)1 8	.23	<.01	.12	<2	<5	<1	.01
AU-34	6	23	822			4	6	6488	2.04	17	<5	<2	<2 274	15.0	15	19	8	21.17	.011	3	2	9.94	50.0	11 5	.24	<.01	. 14	<2	<5	<1	.02
AU-35		49		376	.8	7	17	7521	3.20	61	<5	<2	<2 204	5.3	7	<2	- 14	19.61	.007	3	<1	8.88	40<.0	)1 9	.30	<.01	.12	<2	<5	<1	<.01
AU-36	4	114	183	8522	4.5	20	43	5338	7.13	781	<5	<2	<2 185	83.4	51	6	20	17.58	.007	3	<1	8.39	13<.0	)1 <3	.13	<.01	.03	<2	<5	<1	06
AU-37	4	116	5670	83944	27.7	11	31	3291	4.99	707	<5	<۲	<2 159	893.5	41	42	20	15.35	.014	z	<1	7.47	10<.0	)1 <3	.11	<_01	.02	<z< td=""><td>&lt;5</td><td>&lt;1</td><td>.11</td></z<>	<5	<1	.11
AU-38	Z	13	133	754	1.3	3	4	2702	1.27	18	9	<2	<2 206	9.3	5	2	12	22.08	.016	5	1	10.29	33<.0	01 5	. 12	< 01	06	<2	<5	<1	01
AU-39	<1	4	21	40	.6	1		4588					<2 201		2			20.49													
RE AU-39	2	4	27	39	1.6	2	2	4512	. 95	7	<5	<2	<2 199	.4	3	7		20.32													.40

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data____FA

SAMPLE#	Ĩ	MO CŲ	PB	Zn	AG 02/t	NI %	Cộ	MN *	FE %	AS *	<u></u>	TH	CD	S₽	BĮ	
AU-1 AU-22 AU-23 AU-37 RE AU-37	₹.00 ₹.00 ₹.00	01 .002 01 .003 01 .011 01 .011 01 .011 01 .011	.25 .67 2.21 .63 .62	2.07 1.21 7.47 10.24 10.10	.45 1.53	.001 .001< .002 .001 .001	:.001 .001 .003	.21 .23 .35	3.25	<.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01 <.01 <.01 <.01	.008 .046 .094	.002	<.01 <.01 .01 .01 .01	
STANDARD 1	<u>R-1 .09</u>	90 .853	1.36	2.31	2.99	.025	.028	.09	6.74	. 97	.01	.01	.050	.165	.03	
STANDARD 1	R-1 .09	1.000 - SAMS	GM SAMPL	E LEACHED CORE PULP	1N 30 ML	aqua - R	EGIA, DIL	UTE TO	100 ML, /		.01					

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ACME AN/ 'T	ICAI	נים: י	BOR	ATORI	ES	LTD	•	8:	52 E.	HAS	TIN	GS	ST.	· V7	ססי	VER	BC		76A 1	R6		PHC	NE (	504)2	53-3	158	F	LX (6	04)	3	-17	16
<b>£</b> £						<u>S1</u>			Mine	ral	<u>s P</u>	RO	JEC	CT .	JERS	SEY	F	'il	ICAI e #	97-			-					· . · .		1		
SAMPLE#	1	Cu Dippin				Ni ppm		Mn ppm	Fe %					۶۲ ppm			Bi ppm				La ppm			Ba Ti ppm %			Na %	к % г		ד I קרחקק	Hg An pringu	-
JU 2433 6.5-8		676	-	36	2.5	6	56	4066	21.09	122	18	<2	8	31	<.2	7	18	4	1.68	.009	<1	<1	.91	23<.01	<3	.23	.01	. 15	57	<5	<1	.03
JU 2456 34.5-40			1704		18.9	_			22.50	6027	-5	<2	<2	99	1.1	298	27	- 7	5.19	.008	<1	<1	2.79	6<.01								
JU 2486 3.7-10.3			7223								<5	<2	<2	120	938.6	24	63	30	16.20	.009	2	<1	8.28	25<.01	9	.13	.01	.06	24	<5	<1	.32
JU 2584 7-8.9 JU 2584 8.9-18.5		312	81 641		1.6				28.54		<2 ~E	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<2	- 62	4.0 31.4	<2 57	3							4<.01							•	.02
10 2004 019 1019	4		041	3474	2.3	4	7	1001	4.94	909	5	*2	~2	211	51.4	22	4	6	18.95	.009	1	<1	8.85	18<.01	4	.05	.01	.02	<2	<5	<1	. 16
JU 2584 18.5-25	<1	224	1377	2980	16.9	2	54	6295	22.32	928	<5	<2	<2	42	27.1	258	10	6	2.15	.008	2	<1	1 56	6<.01	₹3	.04	02	01	-7	-5	<1 1	nn
JU 2613 0-1.5	Z	42	204	978	6.5				8,99										9.82				5.13		-			.01	_	-	<1	
RE JU 2613 0-1.5		2 42	220	974	6.4	4	34	5851	9.09	12639	<5	<2	<2	146	19.6	- 59	147	5	9.95					10<.01		.03						
RRE JU 2613 0-1.5	1	42		765	6.3				8.07	13146	<5	<2	<2	145	15.7	65	156	4	9.78	.024				10<.01	-			.01				.66
JU 2771 10-14	<1	308	25	Ŷ	.9	Z	130	6067	28.61	561	7	<2	<2	34	<.2	<2	<2	5	3.56	.026	<1	<1	1.30	5<.01	<3	.01<	.01	.01	<2	<5		.08
HL 2771 16-18 8	1	85	17/	27	5	1	21	877/	5 11	40	- 5	-2		205		- 7	- 7	,	20 (0	010	-				-	• •			_	_		

		-			55, 1	· · · · · · · ·		5 5.50 .020	1 1110 24.01	3 .014.01 .01 42 43 41 .08
JU 2771 14-18.8	1 85 174	27	.5 1 2	1 8324 5.11	60 <5	<2 <2 205	1.1 <2 <2	4 28.40 .015	2 <1 1.07 13<.01	<3 .01<.01 .01 <2 <5 <1 <.01
JU 2771 18.8-20.8	3 64 157	199 1	.653	3 8241 5.99	37 <5	<2 <2 133	3.1 2 13	8 19.33 .008	2 <1 9.23 25<.01	<3 .05<.01 04 <2 <5 <1 < 01
JU 2774 0-2.5	<1 521 6	7 <	.3 514	1 4609 38.72	9 <5	<2 <2 29	.6 3 <2	4 2.18 .010	<1 <1 .76 4<.01	<3 <.01 .01 .01 13 <5 3 02
JU 2774 2.5•9	6 120 286	5900 9	.6 10 3	4 7584 8.37	2626 12	<2 <2 156	49.1 19 21	16 17.70 .110	3 <1 9.11 17<.01	<3 .06<.01 02 <2 <5 <1 02
STANDARD C3/AU-1	27 69 37	153 5	.8 38 1	4 830 3.63	54 27	<2 23 33	25.2 21 21	86 .60 .097	20 179 .67 149 .13	22 2.00 .04 .19 22 <5 <1 3.23

1CP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE, Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 19 1997 DATE REPORT MAILED:

	MO %	CŲ	PB %	Zn	AG oz/t	NI %	CÔ	MN	FE %	AS %	U %	TH %	CD	SB	BŢ
JU 2486 3.7-10.3 <			.75 8					.44			<.01 <				.01
DATE RECEIVED: APR 9 1997	1.0 - S DATE R	00 GM SAMI Ample Typi Eport 1	PLE LEACH E: CORE P MAILED:	ED IN 3 ULP April	n / 16/	a - regi <i>i</i> , 97 s	A, DILUTE	то 100 н	AL, ANALY	SIS BY I	CP. E, C.LEON	G, J.WAN	IG; CERTI	FIED B.C.	ASSAYER
													-		

CME ANA" TI				TORI	1.001	JTD.			a tata		1.12			1	191	-Spece	BC V63	88.5-			PHON	K(6U4	) 45.	3-31	58	FAX	(60	o 2:	3-171
	oD.	() L	t 19	97		<u>Sı</u>	11t P.0	<u>an</u> . Box	<u>Mir</u>	lera	als	P	<u>ROJEC</u> , Vancou	тJI	ĒRS	EY	File	#	97-	13 Daric	L4 Iy					······································	· · · · ·	· · · · ·	
SAMPLE#	Mo ppm	Cu ppm	РЬ ppm	Zn ppm	ı Ag ıppmu	Ni ppm	Co ppm	Mn ppm		As ppm		Au ppm	Th Sr ppnnppm			Bi ppm	V Ca ppm %	P %	La ppm			Ba T ppm S	iв %ppm	Al %	Na %	к % Pl	₩ T Pm Pf		g Au** m gm/t
AU-40	2	4	126	13046		8	3	247		5	10	<2	<2 260	95.2	<2	<2	6 21.09	.010	6	8	9.55	181 .0	19	. 39	.02	.26	<2 <	<5	1.01
AU-41	2	9		29544		8		1376		14	<5	<2	2 229	248.6	3	<2	8 19.23	.016	6	7	8.79	121 .01	16		.01		<2 <	<5	1 <.01
AU-42	4	_	2324	9354		4	1	1199		15	<5	<2	<2 283	77.5	• •		13 21.86	.012	3	3 '	10.06	74<.0	16	. 13	.01	.09 ·	<2 -	<5	1 <.01
AU-43	6	<1	55	382		2	<1	767	.53	_	8	<2	<2 221	3.5	<2	_	6 ZZ.90		_	3 '	11.10	52<.0	15	.09-	.01	.06	<2 <	<5 <	1.04
AU-44	31	1	44	202	.3	2	<1	886	.52	<2	6	<2	Z 236	1.9	<2	<2	3 22.76	.006	2	2	11.12	16<.0	14	.03-	<.01<.	.01 -	<2 <	<5	1.09
AU-45	40	1	47	170	.3	2	<1	874	.45	2	6	<2	<2 238	1.5	<2	4	5 22.89	.006	z	2	11.12	12<.0	14	. 04-	.01	.01	<2 <	<5 <	1 <.01
AU-46	16	1	37	89	.4	2	<1	1838	.59	3	<5	<2	3 215	1.0	<2	<2	3 22.28	.007	1	2	10.83	12<.0	1 4		.01<		_		1 < 01
AU-47	14	2	66	134	6	2	<1	3098	.84	4	<5	<2	7 244	1.4	<2	<2	3 21.19	.004	2	3	10.16	29<.0	1 3		.01		-	-	1 <.01
AU-48	5	<1	92	103	i .3	1	<1	870	.58	<2	<5	<2	<2 265	1.1	<2	<2	3 22.23	.005	3	1	10.79	49<.0	1 4		.01		<2 <		1 <.01
RE AU-48	5	<1	94	105	i <.3	1	<1	885	.59	<2	5	<2	<2 270	1.1	<2	<2	4 22.56	.005	2	2	10.94	50<.0	14						1 <.01
RRE AU-48	6	<1	107	92	2 .4	1	<1	903	.59	3	<5	<2	<2 265	.9	<2	<2	3 22.33	.005	2	2	10.82	50<.01	1 3	.05	.01	03 -	<2 <	<5 <	1 <.01
AU-49	2	6	46	110	.5	2	1	1301	.75	53	10	<2	2 286	1.0	<2	<z< td=""><td>3 21.52</td><td></td><td>_</td><td></td><td>10.48</td><td></td><td></td><td></td><td>:.01&lt;.</td><td></td><td>-</td><td>-</td><td>1 &lt;.01</td></z<>	3 21.52		_		10.48				:.01<.		-	-	1 <.01
AU-50	2	11	17	1428	.4	3	4	2732	1.38	24	<5	<2	4 278	10.0	2	<2	6 21.91		4	-	10.44	12<.0			.01<		<2	-	1 <.01
AU-51	10	6	127	814	.6	3	Z	2973	1.03	10	<5	<2	8 283	6.1	<2	<2	6 22.08	.013	2	_	10.54	18<.0			.01		<2	-	1 <.01
STANDARD C3/AU-1	25	63	37	155	i 5.4	36	12	731	3.29	56	20	4	17 32	23.8	14	28		.091	18			148 .09		1.87			-		1 3.49

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. DATE RECEIVED: MAR 24 1997 DATE REPORT MAILED: Mar 27/9 FIGNED BY A. T. J.D. TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

U-40 <.001<.001 .01 1.29 <.01 .001<.001 .03 1.15 <.01 <.01 <.01 .010<.001 <.01 U-41 <.001<.001 .03 3.13 .01 .001 .001 .15 2.83 <.01 <.01 <.01 .026<.001 <.01	SAMPLE#	MO	CŲ	PB %	Zn %	AG oz/t	NI	Cộ	MN *	FE %	AS چ	ប ខ្		CD	SB %	BI	
- SAMPLE TYPE: CORE PULP Samples beginning 'RE' arc Reruns and 'RRE' are Reject Reruns.	AU-40 < AU-41 < AU-42 < RE AU-42 <	.001< .001< .001<	.001 .001 .001	.01	1.29	<.01 .01 .14	.001< .001 .001<	.001 .001 .001	.03	1.15	<.01	<.01	<.01	.010<	.001	<.01	
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.							ML AQUA	- REGIA,	DILUTE	TO 100 M	IL, ANALY	SIS BY I	СР.				
VED: APR 9 1997 DATE REPORT MAILED: April 16/97 SIGNED BY							runs and	'RRE' ar	e Reject	Reruns.	P						
	'E RECEIVED: APR 9	1997 D.	ATE REI	PORT M	AILED	: Ap	n/16/0	27 si	GNED	вч. <u>('</u> :	h	7.0.101	E, C.LEON	G, J.WANG	; CERTI	FIED B.C.	. ASSAYI
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AA									GEC	CHI	EMI	CAI	A	NA	ا د ۲ ا	s c	ER	TIF	'ICA	TE						19 - 2000 - 2000 19 - 2000 19 - 2000 19 - 2000 19 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 20 - 2000 2000			Andrian (1999) Maria (1999) Andria (1999) Andria (1999) Maria (1999) Maria (1999) Maria (1999)		A	
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SAMPLE#	Mo ppm p		Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	S٢		Sb	Bi	V	Ca		La	Cr	Mg	Ba Ti ppm %	₿	AL	Na	κ	W	Υl		
74G-1 CHIP 74G-2 CHIP 74G-3 CHIP 74G-4 CHIP 74G-5 CHIP	5 1 2	28 26	407 109 1611	2206	2.5 4.8 4.9	5 <1 3	12 ( 1 ) 4 ;	6616 9524 2299	5.57 1.69 1.22	62 13 17	<5 <5 <5	<2 <2 <2	<2 4 <2	125 112 154	22.8 1.5 56.8	2 15 9	<2 200 2	13 9 41	18.45 17.92 22.27	.007 .006 .095	1 <1 1	2 6 5	8.80 7.52 10.26	25<.01 26<.01 18<.01 22<.01 24<.01	<3 4 5	.07 .06 .03	<.01 <.01 <.01	.03 .02 .01	<2 4 <2	<5 <5 <5	<1 < <1 <1 <	.01 .04 .01
84F-1 CHIP 84F-2 CHIP 84F-3 CHIP 84F-4 CHIP 84F-5 CHIP	<1 / <1 / <1 / <1 /	289 317 105	77 35 392	61	1.4 .5 10.5	1 1 1	86 101 : 39 :	6490 3453 6270	17.57 26.67 20.90	179 69 1324	<5 <5 <5	<2 <2 <2	<2 <2 2	76 50 38	1.1 <.2 .5	<2 <2 5	<2 <2 20	5 3 5	10.31 5.63 3.82	.004 .002 .007	<1 <1 <1	6 6 4	1.68 .31 1.32	10<.01 10<.01 6<.01 5<.01 41<.01	<3 <3 <3	.01 .01 .01	<.01< <.01< <.01<	.01 .01 .01	4 <2 3	<5 <5 <5	<1 <1 < <1 1	.03 :.01 .92
90F-1 CHIP 90F-2 CHIP 90F-3 CHIP 90F-3 CHIP 90F-4 CHIP 90F-5 CHIP	26 27 11	186 328 35	601 8438 6432	18272 18841 30126	4.3 13.6 4.6	56 61 25	15 20 4	1099 1029 572	16.95 16.50 5.37	85 619 65	<5 <5 <5	<2 <2 <2	<2 <2 <2	55 47 108	120.7 136.8 214.6	35 137 43	15 5 <2	31 30 34	4.94 5.55 11.87	.021 .011 .015	<1 <1 1	7 6 5	5.21 5.49 7.29	10<.01 9<.01 10<.01 16<.01 10<.01	⊲ ⊲ ⊲	.02 .03 .04	<.01< <.01 <.01	.01 .01 .01	<2 <2 <2	<5 <5 <5	<1 <1 1	.20 .23 .02
90F-6 CH1P 90F-7 CH1P 90F-8 CH1P RE 90F-8 CH1P 74G-1 GRAB	3 16 14	232 24	941 12146 10916	2541 40115 37693	3.2 11.8 10.8	14 46 41	64 7 6	5927 363 325	16.94 11.70 10.47	119 190 181	<5 15 <5	<2 <2 <2	<2 <2 2	49 47 42	14.7 255.5 227.2	9 67 62	<2 4 <2	24 33 32	4.79 5.59 5.41	.017 .016 .016	<1 <1 <1	4 7 6	3.11 6.76 6.08	37<.01 7<.01 12<.01 11<.01 19<.01	<3 <3 <3	.D1 .03 .03	<.01< <.01 <.01<	.01 .01 .01	<2 <2 <2	<5 <5 <5	<1 2 2	.12 .07 .07
74G-2 GRAB 84F-1 GRAB 84F-2 GRAB 84F-3 GRAB 84F-4 GRAB	<1 <1 <1	64 439 290 631 16	35 33	27 54 14	3.1 .4	1 2 3	270 99 133	5065 3782 677	24.89 24.02 28.72	89 56 40	<5 <5 <5	<2 <2 <2	<2 <2 <2	24 19 8	<.2 <.2 <.2	<2 <2 <2	<2 <2 <2	6 2 1	2.90 2.12 .41	.006 .011 .003	<1 <1 <1	12 9 9	1.15 .71 .07	18<.01 9<.01 4<.01 3<.01 6<.01	<3   <3   6	.02 .01 .01	<.01< <.01< <.01<	01 01	2 2 2	<5 <5 <5	<1 < <1 < <1 •	<.01 <.01 <.01
847-5 GRAB 907-1 GRAB 907-2 GRAB 907-3 GRAB 907-4 GRAB	23 22 19	286 237	1918 2629	12869 12879 12112	23.0 10.9 9.4	115 76 85	184 44 11	1896 687 1460	22.43 20.78 21.72	1147 151 188	5 5 12	<2 <2 <2	<2 <2 <2	45 71 41	90.6 83.1 81.7	30 79 62	76 12 14	25 37 27	2.76 6.01 3.32	.028 .025 .014	<1 <1 <1	12 7 10	3.77 5.72 3.78	60 .0' 7<.0' 12<.0' 9<.0' 28<.0'	1 <3 1 <3 1 <3	.02 .03 .03	<.01< <.01<	:.01 :.01 .01	<2 <2 <2	<5 <5 <5	<1 <1 <1	.23 .36 .21
90F-5 GRAB 90F-6 GRAB 90F-7 GRAB 90F-8 GRAB STANDARD C3/AU-1	2 <1 6	86 365	129 56 11210	615	1.9 2.9 9.3	6 4 49	19 83 6	6867 1783 192	8.32 30.06 13.68	479 111 567	5 5 7	<2 <2 <2	<2 <2 <2	258 9 35	4.2 <.2 153.5	19 5 1043	<2 <2 8	14 3 26	20.21 .46 1.28	.016	3 <1 <1	2 4 12	1.89 09 86	17<.0 27<.0 4<.0 4<.0 146.0	1 <3 1 3 1 <3	.03 .01 .02	< 01 < 01 2 .01	<.01 <.01 <.01	3 <2 <2	<5 <5 <5	<1 <1 <1	.14 .11 .29
	т 4 2 2	THIS ASSAY - SAM Sampl	LEACH (RECO APLE T Les be	IS PA MMENDE YPE: R ginnir	RTIAL D FOR OCK Ig 'RE	FOR ROCI Al	MN F K ANE U** E e Rer	FE SR D CORE BY F1F	CA P E SAMP RE ASS and 'R	LA CR LES I AY FR <u>RE' a</u>	MG FCU OM 1	BAT PB A.T	1 B I Zn A' . Sai	W ANI S > MPLE	D LIM] 1%, AG • <u>•</u>	TED F > 30	OR N PPM	AK) & AI	AND AL J > 10	100 PP	p 2			0 10 ML								
DATE RECE	TARD	: /	MAR I	1997	DA	.т.к. 1	KEP(	OKT.	ria i i	ши: /	TP	N	5/"	1	/	SIGN	ъIJ	БΙ.	/	<i>и</i> . <u>.</u> .	)	. U. IC	π <b>ε,</b> C	.LEONG,	J.WAN	vu; C		.1ED	8.6,	assi j]	ATERS	•
All results ar	re cons	ider	red th	e conf	ident	ial	ргоре	erty (	of the	clie	nt.	Acme	ass	umes	the l	iabil	itie	s fo	r actu	al co	st o	f the	e anal	ysis on	ly.				Dat	;a	FA	<u>/in</u>

ACME ANA YTICAL LABORAT	ORIES LTD	. 852	E. HA	STINGS	ST. VA	NCOUVE	R BC	V6A IR		PHONE (	504)253	3-3158	FAX ( {	504)253-1716
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SAMPLE#	MO	CU PB	Zn %	AG oz/t	NI	CÔ	MN *	FE	AS چ	U %	TH %	CD %	SB *	BĮ
74G-5 CHIP 90F-2 CHIP 90F-3 CHIP 90F-4 CHIP 90F-5 CHIP		22 .07 43 1.10 04 .78	4.94 2.21 2.37 4.09 2.36	.17	.001 .008 .006 .003< .003<	.002 .002 .001	.13 .13 .08	$\begin{array}{r} 4.91 \\ 23.74 \\ 22.05 \\ 7.12 \\ 15.47 \end{array}$	.01 .07 .01	<.01 <.01 <.01 <.01 <.01	<.01 <.01 <.01	.047 .015 .018 .027 .011	.002 .004 .017 .006 .006	<.01 <.01
90F-8 CHIP 90F-1 GRAB 90F-2 GRAB 90F-3 GRAB RE 90F-3 GRAB	.001 .0 .006 .0 .002 .0 .004 .0 .005 .0	29 .21 28 .33	5.42 1.39 1.42 1.47 1.48	.73 .32 .32	.012		.19 .07 .16	14.53 32.12 23.03 31.31 31.56	.14 .01 .02	<.01 <.01 <.01	<.01 <.01 <.01	.010 .010 .010	.003 .009 .007	.01 <.01 .01
90F-4 GRAB 90F-5 GRAB 90F-8 GRAB STANDARD R-1	.002 .0	15 .14	8.85 2.10 4.36 2.27	.14	.002< .005 .012 .024	.001 .001	.02	6.14 17.05 39.84 6.68	.03	<.01		.056 .013 .021 .049	.002	<.01 <.01 <.01 .03

1.000 GM SAMPLE LEACHED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.

- SAMPLE TYPE: ROCK PULP

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

<u>A</u> A	-			۰.		<u>Su</u>	<u>lt;</u>	an M	line	rai	s P	KOL	<b>ANAI</b> JECT 1610 -	JERS	SEX		CT.T.	e∴#	ੁ <b>ਤ</b> ੁ/·	-14	66											
SAMPLE#	Mo ppm		Pb ppm	Zn ppm	Ag ppm	Ni ppm j		Mn ppm					Th Sr xpm ppm		\$b ppm			Ca %		La ppm p			Ba ppm			AL P %					g Au* n gm/	
AU-52 AU-53 AU-54 AU-55 AU-56	2 2 5	69 30 27 26 24	17197 119 52 19 <b>7</b> 9	477	37.0 .9 1.8 .5 1.3	5 5 5	12 12 10	1278 4461 6554 7555 9321	2.46 2.50 2.97	35 22 20	<5 6 <5	<2 <2 <2	4 125 <2 123 2 120 <2 174 <2 156	11.2 4.8 4.7	3 3 2	<2 <2 <2	15 2 17 2 7 2	12.37 23.21 22.99 23.07 22.91	.011 .007 .008	3 3 2	2 1 3 1 2 1	8.84 0.79 0.49 0.48 0.13	17<. 18<. 24<.	.01 .01 .01	5 5 4	.08<.( .04<.( .04<.( .06<.( .08<.(	01<.0 01<.0	)1 < )1 < )3 <	2 < 2 <	5 < 5 < 5 <		01 13 01
AU-57 AU-58 AU-59 AU-60 AU-61	4 2 1	29 16 4 20 1		64851 10295 1791 116 60	267.5 3.2 .5 1.9 .3	6 5 1	11 1 6	5138	2 <b>.6</b> 4 1.17	32	6 6 <5	<2 <2 <2	4 120 <2 179 <2 306 <2 190 <2 143	100.5 14.2 1.8	5 2 4	<z &lt;2</z 	Z0 2 14 2 2	15.68 22.97 25.33 36.90 36.42	.039 .007 .010	2 4 1	5 1 3 1 <1	8.51 10.58 11.17 .50 2.32	23<. 62<. 6<.	.01 .01 .01	4 6 3	.04<.0 .04<.0 .08<.0 .01<.0 .01<.0	01 .0 01 .0 01<.0	02 < 05 < 01 <	2 < 2 < 2 <	5 < 5 <	1 <.0	01 01 01
AU-62 RE AU-62 RRE AU-62 AU-63 AU-64	<1 <1 <1	326 337 308 266 12	65 62 63 70 157	24	.8 1.1 1.1	<1	86 78 68	9819 9180	21.50 21.36 20.22 22.70 .88	633 439 200	<5 <5 <5	<2 <2 <2	6 122 6 121 3 113 4 88 <2 184	.6 <.2 <.2	<2 <2	<2 <2 <2	4 4 3	12.00 12.14 11.46 6.39 31.72	.006 .006 .005	1 1 <1	9 7 9	2.66 2.58 2.41 1.07 1.01	10<. 10<. 10<.	.01 .01 .01	<3 <3 3	.01<. .01<. .01<.	01<.0 01<.0 01<.0	01 • 01 • 01	2 • 2 • 2 •	5 5 5	1.	03 05 05
AU-65 AU-66 AU-67 AU-68 AU-69	4 2 1	107 64 31 56 75	164 1367 31 71 32	197 768	Z4.Z	5 3 7	26 19 24	9165 10603 9113	6.20 4.97 3.68 5.27 6.47	169 74 92	<5 <5 <5	<2 <2 <2	<2 376 3 134 <2 132 <2 162 2 112	48.4 2.1 6.6	13 5	84 5 <2	12 10 12	20.20 18.17 15.64 17.90 14.33	.027 .009 .011	3 2 3	3 6 5	1.21 8.18 6.76 7. <b>73</b> 6.19	26< 24< 68	.01 .01 .01	<3 <3 <3	.05<.	01 . 01 . 01 .	03 · 06 · 17 ·	<2 · <2 · <2 ·	<5 < 5 < <5 <	:1 . :1 .	06 05 05
AU-70 AU-71 AU-72 RE AU-72 RRE AU-72	3 3 3	63 95 76 73 73	972	944 2213 2191	_6 2_3 4_0 3.7 3.7	5 4 4	51 34 32	11317 9592 9403		406 36 26	<5 <5	<2 <2 <2	<2 155 2 120 <2 138 <2 138 2 137	3 7.8 3 19.2 5 18.9	<2 3 <2	<2 3 5	12 15 14	19.17 14.41 19.76 19.39 19.20	.022 .023 .024	2 4 3	7 4 4	8.48 6.24 8.96 8.80 8.77	24< 23< 22<	.01 .01 .01	⊲ ⊲ ⊲	.12<.	01 . 01 . 01 .	09 07 07	<2 <2 <2 ·	5 · <5 ·	:1 . :1 . :1 .	08 04 02 02
au-73 au-74 au-75 au-76 au-77	1 1 1	91 81 5 19 68	18 <3 131	102 476 413	.6 <.3 .5	4 1 3	30 2 6	6724 3924 3345	5.70 1.09	300 24 13	<5 <5 <5	<2 <2 <2	<2 111 <2 123 <2 134 <2 139 <2 159	7 1.6 4 3.3 7 3.6	6 <2 <2	<2 <2 <2	6 8 13	13.75 16.27 22.68 22.21 19.55	.006 .009 .009	3 3 3	2 3 3	7.13 7.38 10.10 10.28 9.03	12< 25< 47<	.01 .01 .01	<3 5 5	.05<. .06<. .08<.	.01 . .01 . .01 .	02 03 05	<2 <2 <2	<5 · <5 · <5 ·	<1 . <1 . <1 <.	.02 .01 .01
STANDARD C3/AU-1	25	66	34	161	5.6	36	12	716	3.26	55	27	3	19 30	0 23.9	<u>16</u>	25	83	.62	.090	19	167	.64	147	. 10	20	1.89	.04 .	17	23	<5	1 3:	43
DATE RECE	IVE	TH1 ASS	S LEAG	H IS F COMMENT	ARTIAL ED FOR	FOR ROC	MN K AN 11**	FE SR I D CORE BY FIRI	ÇA P L SAMPL F ASSA	A CR ES IF Y FRC	MG BA CUI M 1 A	A TI PB ZM A.T.	1NO3-H2I B W ANI N AS > SAMPLE <u>Reruns</u>	D LIMIT 1%, AG	FED F > 30	OR N PPM	ак <i>и</i> & Аl	AND AL J > 10	100 PF	в								ED B	-C-	ASSA	YERS	

ACME AN	TIC	AL L	AB	ORAI	ORI	- A		1. A. A. A. A. A. A. A. A. A. A. A. A. A.	85	2 B	. HJ	(ST)	(NG	5 <b>5</b> '	T.	V?	OUVI	IR :	BC	V6A	1R6		P	HONE	:(60	4)2	53 -	315	8 I	'AX	(604	יי (1	53 - :	1716
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<b>AA</b>		i en la composition de la composition de la composition de la composition de la composition de la composition d La composition de la composition de la composition de la composition de la composition de la composition de la c					- C11	1 <b>⊦</b> :	an N	(ine	ara	le.	PR	പ	FCT	' JE	RSE	Y	F	ile	# 9	7-1	46	7					ses e				ँड्रा	1030 C
	-						<u>bu</u>	<u></u>	<u>a</u>		.0.	Box	1043	5, 1	610	- 77,	Vanco	ouve	r BC	V7Y 1	IK5		. •											
		Мо	<b>C</b>	Pb	Zn		Ni		Mn	Fe	As		<u></u>	Th	Sr	Cd	Sb	Bi	v	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	κ	W	τι	Kg A	.u**
SAMPLE#		bbur b		ppm	ppm	_	ppm				ppm	-					ppm		ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	. *	7	ppm p	ppm p	pm g	m/t
AU-78		7	र	316	288	.8	4	<1	472	.88	4	<5	<2	<2	174	2.5	<2	2	92	27.69	.010	3	7	6.99			• •		.01		<2		<1 <	
AU-79		2	3	17	35		3	<1	164	.23	6	<5	<2	<2	194	.5	<2	<2		35.35		2	2	.72			23		.01		2	-	<1 <	• • •
AU-80		l ī	8	21	134		7	<1	105	.93	5	<5	<2			1.3		<2		38.04			<1	.14			<3		:.01<		<2	<5 -5	<1 <	
AU-81		3	12	451	2966	.9	8	Z	882	2.66	14	<5	<2		162	22.1				23.95		4	.6		227		6		.01 .01		<2 <2	<5 <5	1	.02
AU-82		6	9	441	49088	1.2	6	4	663	2.61	7	<5	<2	<2	165	394.1	<2	<2	6	22.84	.018	3	11	7.38	84	.01	14	.42	.01	.20	~2	ч <b>р</b>	ı	.02
AU-83		z	7	19	536	4	4	3	4435	1.61	132	<5	<2	<2	188	4.2	z	<2	7	22.73	.008	2		10.10			8		c.01		<2		-	.02
AU-84		1	ż	159	306				3872			<5	<2	<2	169	2.4	2	<2	-	23.24		3		9.96			7		.01		<2	<5		.11
AU-85		3	4	96	219		ź	1	957	. 78	10	<5		<2		1.7		<2		23.90		1		10.12		.01			<.01		<2 <2	<5 <5	<1 · <1	.03
AU-86		1	17	300	441	.8	5	1		1.26		<5				3.6		<2		24.09			-	10.47		.01	<3 <3		<.01 .01		<2	<5 <5	<1	.02
AU-87		17	59	9003	6223	20.1	5	2	594	1.97	118	5	<2	<2	388	46.3	43	47	22	23.09	. 156	د	5	10.11	224	.01	~>	.07	.01	.05	76	~ )	~ 1	.02
		Ι,		04	257		1	1	232	.54	<2	<5	<2	<2	473	2.3	<2	2	8	31.06	.010	4	6	4.47	163	.01	<3		.02		<2	<5	<1 ·	<.01
AU-88		6	2	81 97	257		4		394			-	<2		406	1.2		<2	_	25.76			5	9.54	128	.01	- 4	.20	202	.17	<2	<5	<1	
AU-89 AU-90		15	3					i	486	89				<2		.9		<2	18	25.53	.022	3	3	9.19	302<	.01	<3		<.01		<2	<5	<b>≺1</b> :	
RE AU-90		18	3					<1		.86				<2		.9	<2	<2	18	24.49	.019	2	3		292<		<3		.01			<5	<1	
RRE AU-90		12	2					-		.85			<2	<2	413	. 5	<2	<2	17	25.49	.022	3	4	9.12	266	:.01	<3	.09	<.01	-02	<2	<5	<1	<.01
		000		. 7	10			,	2898	1 25	380	8	<2	z	54	.3	3	3	22	6.20	.029	z	<1	.83	3 17.	:.01	7	.18	.01	.02	644	<5	<1	.03
AU-91		200	11 10	13					1933				-	-	-			<2		3.65			<1	.29	7 12-	.01	3	. 12	.01	.01	118	<5	-	<.01
AU-92		286						1	326		_				146			-2		34.40			2	2.36	5 1834	4.01	12		<.01		7	<5		<.01
AU-93		31	-					. 1	1130			-		-				<2		16.26		2				<.01	13		<.01			<5	•	<.01
AU-94 AU-95		14	10				-							_				2		18,31	.022	2 2	<1	1.09	9 37.	<.01	28	.02	<.01	.01	510	<5	<1	<.01
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AU-96			40 47					-		1.7					292					22.84						<.01			<.01			<5		.01
AU-97	411 4	2										-				24			84		.090		168	.6	5 152	, 10	21	1.95	.04	.19	23	<5	2	3.32
STANDARD C3/	AU-1	26	66	34	15	55.	7 36	5 12	2 736	3.38	3 58	22	3	20	32	24.	5 18	24	- 84	04	+ .090	J 19		•D:	2 126	, 10	<u>c</u>	1.75	.04	. 17			-	

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 31 1997 DATE REPORT MAILED:

Data____FA

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

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SAMPLE#	MO CU	PB Zn	AG oz/t	NI CO	MN *	FE %	AS %	U %	TH %	CD مح	SB	BI	
AU-82 -	.001<.001	.05 5.76	<.01<.	001 .001	.07	2.89 <	<.01 <	.01	<.01	.043< .005	.001	<.01 .01	
AU-87 AU-97 RE AU-97	.003 .006 .001 .005 .001 .005	1.09 .69 .01 1.00 .01 1.01	.01<.0	001<.001 001<.001 001<.001	.06 .06 .06	L.88	.02 <	:.01	<.01	.008 .008<	.001	<.01	
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			Culta	÷		rals PROJECT			그는 사람이 있었		7-146
			<u>Sulta</u>		<u>. ne</u> P.	D. Box 10435, 1610	<u>- 77,</u>	Vancouver	BC V7Y	1K5	



Data / / FA

Sultan Minerals PROJECT JERSEY File # P.D. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5

SAMPLE#	Mo ppm j		Pb ppm	Zn ppm	Ag ppm	Ni ppm p		Mn ppm	Fe %				Th S prapp		l Sb ippm			Ca %		La ppm p			Ba Ti ppm %		Al Na % %				
AU-98 AU-99 AU-100 AU-101 AU-102	3 4 7 1 5	1	60	1481 598 47708 962 38578	.7 .6 2.2 .3 .7	5 6 9 4 4	1 1 5 1 2	208 304 373 277 280	.86 .97 3.02 .74 .58	9 14 7	7 <5	<2 <2 <2	<2 12	0 4 7484	567 834	<2 <2	16 10 5	12.42 24.15 19.05 24.40 23.38	.019 .038 .010		5 14 6	9.81 8.58 9.82	45<_01 101<.01 120 .01 87<.01 87<.01	5 4 6	.04<.01 .25 .01 .57 .01 .20 .01 .22<.01	.11 • .27 • .11 •	:2 < :2 < :2 <	5 <1 5 2 5 <1	<.01 <.01 2 .03 4 <.01 1 .02
AU-103 AU-104 AU-105 AU-106 AU-107	5 6 3 3 6	12	167 117	24116 8982 13630 4915 1008	2.2 1.7 1.4 .6	9 10 4 5 3	2 2 1 2	711	4.19 4.92 3.78 1.33 .98	14 14 8	<5 <5 <5	<2 <2 <2	<2 7 <2 11 <2 16	95 199. 71 67. 11 101. 55 39. 57 9.	2 7 1 10 4 3	2 2 <2	5 6 9	23.20 19.70 21.60 24.17 22.21	.005 .005 .009	<1	3 3 4	8.70 6.77 8.12	86<.01 108.01	⊲ ⊲ 5	.06<.01 .06<.01 .13<.01 .19 .01 .15 .01	.02 · .06 ·	<2 < <2 <	5 <' 5 <' 5 <'	1 <.01
AU-108 AU-109 AU-110 RE AU-110 RRE AU-110	18 7 7	3	811 23 167 173 165	6241 330 9503 9345 9315	1.9 .3 1.6 1.6 1.4	4 1 7 7 7	6 6	1614 1346 1325	84 4.45 4.34	20 411 407	<5 <5 <5	<2 <2 <2	<pre>&lt;2 41 2 1! &lt;2 1/</pre>	24 45. 77 3. 53 61. 49 60. 48 59.	43 19 18	<2 2 <2	12 10 10	21.30 22.70 21.13 20.70 20.43	2006 2005 2005	2	3 4 4	8.75 7.58 7.49	68<.01	<3 <3	.09<.01 .11<.01 .16<.01 .16<.01 .16<.01	.05 .04 .03	15     • <2     • <2     •	<5 < <5 <	1 .01 1 <.01 1 .06 1 .06 1 .06
AU-111 AU-112 AU-113 AU-114 AU-115		90 8 64	355 743 29 6956 5491		<.3 18.6	11 1 9	19 3 19	876 6237	.83 4.83 2.11 5.51 14.07	68 25 36	<5 14 <5	<2 <2 <2	<2 1 <2 1 8 3 3 2 2 1	82 8.	25 24 75	5 10 5 3 7 39	20 2 58	15.70 .83 16.08	.023 .004 .044	<1 3 2	3 3 3	6.37 .81 6.66	16<.01 23<.01	<3 5 <3	.02<.01 .12<.01 .70 .02 .30<.01 .04<.01	.07 .11 .18	<2 67	<5 < <5 < <5 <	1 .01 1 <.01 1 <.01 1 .02 1 .02
AU-116 AU-117 AU-118 AU-119 AU-120	29	31 262 9		1496 69 77	2.9 5.7	36 6	7 220 5	7586 4696 6134	7.70 2.83 11.84 1.78 1.47	95 1395 28	16 <5 11	<2 <2	2 1 <2 2 <2 2 3 <2 2	86 12. 81 . 17 .	7 13 6 29 7 4	88 7<2 44	61 5 45	12.10 16.98 5.48 22.67 22.90	.305 .005 .222	2 <1 3	7 3 7	6.69 3.84 9.79	13<.01	3 <3 5	.11<.01 .07<.01 .03<.01< .10<.01 .17 .01	.03 <.01 .05	<2 <2 <2	<5 < <5 < <5 <	1 .02 1 .34 1 <.01
AU-121 AU-122 RE AU-122 RRE AU-122 AU-123	3 2 2	489 74 69 60 205	46 16 19 12 20	99 94 83	.9 1.0 .8	7 8	35 33 30	6753 6410 6111	25.24 6.97 6.47 5.98 17.05	194 186 175	<5 <5 <5	<2 <2	2 1 4 2 3 2 4 2 <2	31 15 03		6 <2 7 <2 7 3	18 16 16	17.63 16.77 16.09	011 .011 .011 .011 .011 .011	1 2 1	7 6 6	7.74 7.44 7.12	119 .01 112 .01	<3 <3 <3	.46<.01 .40 .01 .35 .01 .33 .01 .08<.01	.20 .18 .18	<2 <2	<5 < <5 < <5 <	<pre>&lt;1 .03 &lt;1 .03 &lt;1 .03 &lt;1 .03 &lt;1 .03 &lt;1 .03 &lt;1 .32</pre>
AU-124 AU-125 AU-126 AU-127 AU-128	4	14 26 708 247 196	38 17 <b>&lt;3</b>	46 11 38	.7 2.7 1.3	23	15 148 90	5447 4060 2500	2.12 3.71 25.07 12.39 13.32	401 7 113	5 <5 <5	<2 3 <2	<2 3 <2 <2	26 21 < 18 <	.7	4 17	5 12 5 16 7 6	5 20.15 2 25.35 5 1.7 5 1.10 5 14.95	5 .015 1 .004 0 .004	1 <1 <1	3 <1 8	6.25 .76 .48	6<.01	<3 <3 <3	.09 .01 .03<.01 .11<.01 .09 .01 .05<.01	.03 .13 3 .08 1	<2 322 106	<5 < <5 · <5 ·	<1 .19 <1 .11 <1 5.03 <1 .10 <1 .12
AU-129 STANDARD C3/AU-1		14 70				; 2 ; 39			1.03	< 2 56	<5 22	<2 4	∢2 20	42 33 25				37.0 3.6	2 .024 6 .094		<1 180	.85 .70	i 15<.01		.24 .01 2,02 .04				

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

...D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS, SIGNED BY DATE RECEIVED: MAR 31 1997 DATE REPORT MAILED:  $\nu_0$ All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

MPLE#			РЬ				Ni		Mn	Fe	As pro p	U	Au	Th	Sr	- 77; Cd	Sb	Bi ppm p	٧	Ca %	P	La pom p				Ti % p		Al Na %%				Hg A ppm g	
J- 130 J- 131 J- 132 J- 133 J- 133 J- 134	2 2 4	12 5 12 9	466 8 18 114	312 88 312	707 890	1.5 <.3 .3 1.3		10		3.61 1.21 1.86 1.45	18 17 6 3	<5 <5 <5 <5	<2 <2 <2 <2 <2	<2 1 <2 1 <2 1 <2 1	160 2 192 170 150 3		5 <2 <2 <2 <2	3 <2 <2	6 1 4 2 4 7	9.23 23.32 22.01 19.83 20.57	.007 .018 .023	2 4 5	4 1 5 17	10.25 9,45 7,86	96< 176 237	.01 .01 .02	4 7 16	.48 .01 .12<.01 .27<.01 .79<.01 .54<.01	.10 .17 .29	<2	<5 <5 <5	1 <1 < <1 1 2	.01 .02
u- 135 u- 136 u- 137 u- 138 u- 138 u- 139	3 1 3 7	6 10	38 9 347 16	3 : 7 9 5 1	537	<.3 <.3 .9 .8 .5	1 3 4 20 6	6 ' 6 69	13714 1030 6160 8051 7519	2.32 2.02 11.70	10 <2	<5 <5 <5	<2 <2 <2	<2 ' <2 ' <2	126 154 43	4.9 .9 89.7 12.1 19.3	<2 <2	458	6 10 10	12.72 19.75 20.88 5.73 20.79	.006 .007 .004	1 1 3 <1 1	4 6 8 4	9.53	52- 74- 11- 31-	<.01 <.01 <.01 <.01	3 5 <3 <3	.09<.01 .14<.01 .21 .01 .16<.01 .14<.01	1 .10 1 .15 1 .21 1 .11	<2 <2 3 3	<5 <5 <5	<1	<.01 .04 1.50 .07
U-140 EE AU-140 REE AU-140 U-141 U-142	1 1 1 67 194	10 10 8	) 42   40   5   2	2 0 7	147	.9	6	12 12 11 3 3	2099 2102 2154 1349 831	6.46 6.43	2 <2 10	11	2 <2 <2 <2 <2	12 18	10 11 17	<.2 <.2 <.2 <.2 <.2	4 5 2	247 238 324 43 7	23 23 23 4 2	.31 .42 .41	.005 .005 .005 .003 .003		8 6 10	3.34 3.36 3.49 1.33 .83	48 48 15	.01 .01	32 <32	2.08 .0 2.08 .0 2.12 .0 .58 .0 .19<.0	2 1.38 2 1.41 3 .20	3 168 138 0 21	<5 <5 <5	<1 <1 <1	2.76 1.54 21
AU- 143 AU- 144 AU- 145 AU- 145 AU- 146 AU- 147	1	13	1 7 3 52 5 3 8 2	5 16	19 6 10	<.3 .4 34.8 2.4 1.4	2 4 3	7 2 1 1 6	99 <b>7</b> 172 993	3.88 1.94 .33 .75 3.88	89 6 16	11 5 10 <5 5	<2 <7 <2 <2 <2	20 7 <2 2 12	5 32	<.2 <.2 1.5 <.2 <.2	2 80 7	6 7 1274 54 39	2 1 <1 <1 2	.72 .12 .74	.002 .001 .001 .001 .003	<1 1 <1	28 24	1.08 .51 .08 .32 1.08	5 2 2 5	<.01 <.01 <.01 <.01 <.01	4 <3 <3 5	.44 .0 .08<.0 .02<.0 .05<.0 .66<.0	1 08 11 07 11 04 11 04	3 6 4 10 9 16	<5 <5 <5 <5	<1 <1 <1 <1	.07 .15
AU-148 AU-149 AU-150 RE AU-150 RRE AU-150		7	11 9	13	43 64 112 119 134	.7	3	46 7 7			83 67 84	<5 <5 <5	<2	2 <2 <2	52 109 203 203 209		ح> 6 6	26 3 <2	57 9 9	4.99 10.17 22.66 22.66 23.25	.015 .010 .009	<1 2 2	4 2 3	7.8 10.3 10.4	4 108 8 10 0 10	.01 5 .01 0<.01 0<.01 0<.01	<3 3 <3	.65 .0 1.09<.0 .03<.0 .03<.0 .03<.0	01 1.3 01 .0 01 .0	6 6 2 2 1 <2	5 <5 2 <5 2 <5	<1 1 <1	4.85 .47 .07 .02 .02
AU-151 AU-152 AU-153 STANDARD C3/AU-1	5 2	i 3 ) 4	8 17 1 94 2 7 5 3	44 14		2,3 <.3	s 10	10 13	1664	3.20	88	<5 <5	<2 <2	3 8	206 85	57.4	3 2	<2 3	10	23.00 20.34 4.83 .61	014	5 7 18	6 28	.9	9 5 3 11	9.07	<3 8	.06<.0 .56 .0 1.78 .0 1.92 .0	01 .1 07 .3	6 <2 31 30	2 <5 0 <5	5 <1 5 <1	.01 .01 <.01 3.36
		TH As	ISSAY SSAY	REC	CH IS	PAR NDED	TIAL FOR RE	FOR ROCK	MAN	SR CA ORE S. FIRE	P LA Ample Assay	CR S [F FRC	мс в СU м 1	A 11 PB Z A.T.	ыны NAS SAM	1 AND 1 3 > 1%, 1PLE.	. 1 M I I	EV ru	אות או		, <u>n</u> .,			LUTE	D TO	10 M	IL WT	TH WATE	R.				

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

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CHE ANAT TICAL	LAP	IORI	ATO	RTB	S L	TD. <u>Su</u>	<u>1t</u>		G Mir	EO	CHE 18	MI( Pl		, <b>∕A</b> ¦ IEC'	SSA T J	L C ERS	'ER EY	rif F	ICI ile	5A 1 ATE = # 7 1K5		-1		one (	604	):25	3-3	151	3	7AX	(60	4)2'	53-171 <b>A</b> A
SAMPLE#	Mo		Pb ppm	Zn ppm	Ag ppm		Co PPm	Mn ppm	Fe	As ppm	U	Au	۲h	Sr	Cd ppm	\$b	Bi	٧	Ca %	P	La ppm p	Cr Spm		Ba ppm	Ti %Pi	B Sm	Al %	Na %	K %	W			\u** gm/t
L JH-164 L JH-165 L JH-166 L JH-167 L JH-168	1	18		191 76 45 66	<.3 1.4 <.3 <.3 <.3	27 38 2 2 3	11 26 <1	108 337 120 2730 699	1.66 5.05 .11 .98 .27	2 <2 <2	<5 <5 13 <5 7	<2 <2 <2 <2 <2 <2	-	71 141 158 82 75	1.7 .9 <.2 .4 <.2	<2 <2 <2 <2 <2 <2	<2		.41 .28 .36	.053	12 11 6 10 4	49 22 11 5 4	.98 .73 .02 .12 .07	46 33 32< 21 18<	03 01 01	81 761	.54 .32 .81	.07 .07 .04 .26 .10	.37 .13 .16	3 12		<1	.01 <.01 <.01 .02 .02
LJH-169 LJH-170 RE LJH-170 RRE LJH-170 LJH-171	11 49 48 48 101	7 28 30 29 25	11 6 5 5 22	85 88 86		1 26 24 23 8	11 10	680 1403 1430 1414 1022	2.39 2.45 2.41	4 2 4	<5 7 <5 5 14	<2 <2 <2 <2 <2 <2	16 12 12 12 17	144 74 75 74 67	.2 <.2 <.2 <.2 <.2	<2 4 3 2 3	<2 5	36 2 37 2 37 2	.04 .06 .05	.020 .031 .034 .030 .015	4 24 23 23 11	53 53	1.45 1.47	23<. 172 . 178 . 186 . 38 .	15 16 15	31 51 31	.30 .33 .31	.05 .08 .08 .08 .05	.61 .62 .61	<2	<5 <5	<1 <1 <1	.01 <.01 <.01 .04 <.01
LJH-172 LJH-173 STANDARD C3/AU-1	17 7 25	63 25 66	5 11 35		.3   <.3   5.7	35 29 34	13 12 12		3.26 2.41 3.33	<2	<5 <5 15	<2 <2 3	9	197 87 30	.2 .4 23.6	2 <2 16	5 2 18	27 5 32 2 80	2.21	. 121 . 035 . 090	29 25 18	41 48 171	.98 1.32 .64	66 66 146	.19	3 1	1.86 1.60 1.86	.11 .09 .04	.27	3 2 16	<5	<1	.02 <.01 3.19

Data AFA 1120

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are <u>Reruns and 'RRE' are Reject Reruns.</u>

DATE RECEIVED: APR 4 1997 DATE REPORT MAILED: April 12/97 SIGNED BY.... D. TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

<u>A</u> A					<u>S</u> 1	ilt	an	<u>Mir</u>	<u>era</u> P.O.	<b>18</b> 30x 10	<u>PRC</u> 0435	) <u>JE(</u> , 161	<u>CT</u> 0 -	JE 77,	RSE Vanco	<u>Y</u> iuver	Fi BC	le v7v	# <u>4</u> 1K5	97-1	158	8										L
AMPLE#	Mo ppm				-	Ni proce		Mn ppm	Fe %	As ppm	_	Au ppm p			Cq Cq				Ca %		La ppm (			Ba T ppm	i B % ppm		1. K %		к \ % ррс			
U 2813 13-14.7 U 3212 78.5-83.3 U 3214 11-15 U 3214 15-17 U 3214 40-48	<1 4 <1	316 966 154 404 1182	33 150 127	45 31 43	1.1 3.0 2.2	4 3 11 1	54 ( 31 24 42	6876 4901 2889	29.98 27.83 11.83 33.51 33.83	35 3684 435	<5 <5 <5	<2 <2 <2	<2 6' <2	163 48	.5 1.2 <.2	50 8	<2 2 <2	12 16 6	5.30 5.94 12.90 3.00 2.54	.019 .036 .011	<1 <1 <1	2 9 <1	2.83 1.03 5.00 1.39 .94	8<.0 8<.0 14<.0 7<.0 17<.0	1 <3 1 <3	.0 .1	)3 .( 11<.( )4 .(	01 .0 01 .0 01 .0	)4 (	2 <5 3 <5 2 <5	5 <1 5 <1 5 <1	.0 .9 .3 .0 1.6
UU 3215 12-14 UU 3215 66-68.5 UU 3215 68.5-73 UU 3215 73-80.2 UU 3215 80.2-83.8	<1	521 396 588 169 523	38 36 30	67 27 63	1.5 1.3 2.0	3 21 1	69 02 44 1	7652 9800 1442	20.65 18.60 23.29 9.92 29.63	76 39 135	<5 <5 <5	<2 <2 <2	<2	82 46 92	.7 1.1	2 <2 2	<2 2 2	10 4 10	1.84 10.12 5.93 13.91 4.86	.005 .002 .007	<1 <1 <1	9 7 4	6.01 3.69 7.07	13<.0 6<.0	)1 <3 )1 <3	5.0 5.0 5.8	03<.1 01 . 01<.	01 .0 01 .0 01<.0 01<.0 01<.0	01 01 < 01	3 < 2 < 2	5 < 5 < 5 <	1.9 1.0 1.0 1.0
JU 3215 83.8-87.7 not rec. JU 3220 2-3.2 JU 3220 28.5-34 JU 3220 37-40 RE JU 3220 37-40	<1	606	8	17 12	2.3 .7 .9 2.4	1	71	7194 6183	- 16.48 34.33 32.61 31.08	9	<5 <5	<2 <2	<2 <2	61 56	<.2 <.2 <.2 <.2 <.2	<2	<2 <2	14 5	- -84 6-49 5-67 5-43	.032	<1 <1	<1 <1		- 10<,( 13<,( 7<,( 6<,(	)1 <`	3 .	04<. 01<.	01.	01 <	<2 <	5 < 5 <	13.
RRE JU 3220 37-40 JU 3265 4.5-6.1 JU 3265 31-36.5 JU 3265 36.5-42 JU 3265 59-63.5	1 <1 <1	653 939 982 687 453	89 5 10	795 20 13	.9 .9	14 2 2	79 232 174	8975 6947 4674	31.82 28.89 28.32 29.58 27.09	52 <2 2	5 <5 8	<2 <2 <2	3 2 <2	68 49 32	<.2 5.7 <.2 <.2 <.2	2 <2 <2	5 5 10	17 8 11	4.71 8.37 6.79 5.19 3.85	.019 .016 .018	<1 <1 <1	3 8 1	1.64 4.26 2.09 1.21 1.59	15< 8< 7<	01 < 01 <	3. 3. 3.	03<. 03 . 05<.	.01 . .01<. .01<.	01	21 < 2 < <2 <	5 < 5 < 5 <	:1 _  :1 _
JU 3267 33.8-39 JU 3267 39-44 JU 3267 4-46.6 STANDARD C3/AU-1	1	409 823	2 8 3 14	19 15	) .5 ) 1.1 ; .9 ) 5.3	1 <1	140 114	3721 4393	2.50 25. <b>3</b> 6 32.55 3.26	110 2	5 <5	<2 <2	<2	111 86	.3	8 3	<2 <2	9 7	25.40 13.89 7.01 .63	.021	<1 <1	د 1>	1,21	14<, 20<, 12<, 146	∪i ≤ D1	3.	07<. 04<.	.01 .	03	<2 · <2 ·	<5 • <5 •	ก.
1	THIS L	EACH RECO	IS F	PART	IAL F FOR R	OR MN	FE ND C	SR CA ORE S	AMPLES	CR MG IF C	і ВА :U РВ 1 А	TIB IZN TS	WAI AS > Ampi	ND L: 1%, F.	AG >	5 FOF 30 f	PPM 8	K A S AU	ND AL. > 100	O PPE	5			10 ML ONG, J				FIED	B.C.	ASS.	AYER	5

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ACME AN TICA	L LAI	SORA	TOR	TES	3 LI	D.	111. Junior	85	2 E.	HA	STI	NGS	ST	•	NCC	)ŲVI	R 1	BC	V6A	1R6		P	HONE	(604)	) 25	3-31	58	FA	<b>بx</b> (	601	1 25	53 -	1716	
				•			•		GE	OCE	IEM	IC	\L/	AS	YAd	CE	RT	IFI	CAT	E														
		÷	··.			Su	lta	n M	ine	ral	8	PR	ЭJЕ	$\mathbf{CT}$	JEI	٦SE	Y	Fi	lle	#9	7-1	59	6		ad Secol								n an an an an an an an an an an an an an	
									Ρ.	<b>0.</b> 8	ox 1	0435	, 16	10 -	77, 1	Vanco	ouve	r BC	V7Y 1	κ5				ممتر ورو و ورو و		·			<u> </u>					
SAMPLE#	Mo ppm				Ag			Mn ppm					Th ppm		Cd ppm	Sb ppm (			Ca %		La ppm p			Ba T ppm			11 %		к % р(	W pm p		_	\u** gm/t	
LJH-174 LJH-175		.'' 207 3	<3	80	<.3 <.3				3.71		38	<2	14	73 129	<.2	<2	<2	1	5.23 1.53	.011	5	43 16	.03	49 .1 62<.0 28<.0	1	6 2.0 6 .3	1.		10	4		<1		
LJH-176 LJH-177 LJH-179 114.5-118.0	104 4 1 79	3 3 5	6 10 20	15	<.3 <.3 <.3	3 2 2	1 <1 <1	199 217 149	.28 .39 .43	2	22 22 21	2	13 27 23		<.2		2	<1 1 1		.002 .002	5 10 9	17 16 19	.03 .04 .07	28<.0 5 .0 7<.0	01	3.2	2.	07 .1 07 .1	14	4	-	<1 ·	<.01	
LJH-179 152.8-157.0 LJH-180 LJH-181 LJH-182 LJH-183	]	3 4 3	9 9 31	135 24 228	<.3 <.3 <.3 <.3 .8		<1 <1	837 388 436 274 1079	.48 .28 .28 .21 .51	2 <2 <2	17 16 15	<2 <2	13 13 12	126 9 4 7 20	.6 .8 <.2 1.6 2.1	3 <2 <2 <2 <2 2	<2	1 <1 <1	. 12 . 23	.051 .005 .003 .004 .007	3 4	8 16 16 17 13	.91 .08 .02 .02 .05	42 ( 9< ( 4< ( 8< ( 24< )	01 < 01 < 01 <	<3.' <3.'	26 . 19 . 16 .	02 .1 06 .7 06 .7 07 .7 05 .7	16 13 12	6 6 3	<5 <5 <5	<1 <1 <1	<.01 <.01	
LJH-184 RE LJH-184 RRE LJH-184 LJH-185 LJH-186	284 287 312	14 15 14 1148	105 109 92 91	144 147 148 24	1.5 1.6 1.4	3 3 2 4	2 Z 83	2234 2265 2213 2739 841	.96 .98 .91 21.84 .45	4 5	45 45 <5	2 <2 <2	11 6	70 33	1.0 <,2	3 3	28 26 <2	1 <1 <1	4.28 4.35 4.06 6.47 2.22	.014 .015 .002	4 3	11 11 9 6 10	.12 .11 .17	29<.1 30<.1 22<.1 20<.1 61<.	01 01 01 ·	<3.4	56 . 43 . 44 .		28 22 17	55 54 15	-	<1 <1 <1	<.01 <.01 <.01 .04 .01	
LJH-187 LJH-188 LJH-189 STANDARD C3/AU-1	29 28 34 26		57	56 22	<.3 <.3 <.3 <.6	2	1 1 1 13	799 1509 268 729	.99 1.16 .28 3.41	<2 <2	<5 30	<2	3 14	372 132 41 31	.2 <.2	<2 <2	<2 <2 <2 25	4 1	23.80 14.16 1.07 .63	.010	6 6	5 5 7 170	.38		01 4 01	43.	48. 48.	.03 . .03 . .11 . .04 .	19 16	48 5	<5 <5	<1 <1	<.01 .04 <.01 3.37	

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

Data ////FA

ACME ANA' TICAL	, LABORATORIES LTD. 852 E. HASTINGS ST. V COUVER BC V6A 1R6 PHONE (604) 253-3158 FAX (60'	753-1716
	GEOCHEMICAL ANALYSIS CERTIFICATE	AA
	Sultan Minerals PROJECT JERSEY File # 97-1677 P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5	
SAMPLE#	Mo Cu Pb Zn Ag Ni Co. Mn. Fe As. U Au Th Sr. Cd Sb Bi V. Ca. P La Cr. Mg Ba Ti B. Al Na K. W. Tl H ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	•
LJH-190 LJH-191 LJH-192 LJH-193 LJH-194	7       18       9       25       5.3       27       12       166       1.39       12       15       22       12       160       1.39       12       160       1.39       12       160       1.39       12       160       1.39       12       160       1.39       18       10       160       160       160       160       160       1.40       1.11       3       <5	1 <.01 1 <.01 1 <.01 1 <.01 1 <.01 3 <.01
LJH- 195 LJH- 196 LJH- 197 LJH- 198 LJH- 199	69       12       6       59       2.5       13       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10 <td< td=""><td>1 &lt;.01 1 .01 2 .01 &lt;1 .05 &lt;1 &lt;.01</td></td<>	1 <.01 1 .01 2 .01 <1 .05 <1 <.01
LJH-200 RE LJH-200 RRE LJH-200 LJH-201 LJH-202	72 50 <3 101 .4 3 3 2285 2.72 4 <5 <2 2 133 .3 <2 <2 15 11.98 .058 3 3 6.11 14 .01 16 .23 .01 .07 285 <5 71 51 8 108 .3 <1 4 2398 2.67 3 9 <2 2 142 .3 <2 <5 15 13.27 .059 4 3 6.42 30 .01 14 .24 .02 .08 292 <5	1 <.01 1 <.01 <1 <.01 <1 .09 1 .13
LJH-203 Standard C3/AU-1	150 114 9 111 .5 28 16 2984 4.84 <2 <5 <2 8 46 <.2 <2 19 30 4.25 .106 29 36 .99 15 .08 <3 1.86 .10 .05 166 <5 -26 65 30 156 5.7 34 11 722 3.36 53 29 3 17 30 22.7 16 27 80 .61 .088 19 167 .65 153 .10 20 1.87 .04 .17 17 <5	<1 .05 1 3.30

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-HZO AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning (RE' are Reruns and 'RRE' are Reject Reruns.

Data the FA

852 E. HASTINGS ST. VA OUVER BC V6A 1R6 PHONE (604) 253-3158 FAX (604) 273-1716 TICAL LABORATORIES LTD. ACME ANP ASSAY CERTIFICATE Sultan Minerals PROJECT JERSEY File # 97-1677R P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 MO SAMPLE# 8 .536 .388 LJH-196 LJH-197 RE LJH-197 .367 1.000 GM SAMPLE LEACHED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP. - SAMPLE TYPE: CORE PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns. /) DATE RECEIVED: MAY 6 1997 DATE REPORT MAILED: Data / FA All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

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					<u>Sul</u>	tan M	iner	als	Fi	le	# 9	7-5	785	<b>.</b>				an an an an an an An an an an an an an An an an an an an an				
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BJ 1	9	56	18305	3290	31.7	45	1		5.57		50		<2 1				<3		23.88		2		.89	79<.0				1.02		-	<1	74
BJ 2 BJ 3	1	5 4	1980 216	836 233	1.7	12 6	1	154 94	.36 .45	468 104	<8 <8	<2 <2	<2 1 2 1		13.1 2.6		<3 <3		30.58 30.90		ו 5	د z	2.63 .79	18<.( 23<.(		3.0	9<.0	01 .02 01 .07	<2</td <td></td> <td>&lt;1</td> <td>4 3</td>		<1	4 3
BJ 4 BJ 5	2 2	24 59	217 985	2599 3448		153 295	7 11	387 413	1.19 2.91	51 165	<8 <8	<2 <2	-	73 37	10.5 5.8	15 80			18.41 3.32		8 24	11 29		115 .( 205 .(				01 .11 02 .19			<1 <1	<1 7
BJ 6	8	90	5505	3697	3.3	229	11	920	17.70	19246	8	<2	2	35	36.6	1169	<3 (	275	2.58	. 165	20	56		184 .0							<1	43
BJ 7. BJ 8	27 13		10688	6581 11743	4.7 5.4				10.82	11418 13928	<8 11	<2 <2			41.0	983 586	<3 < <3 (		5.09 7.67		21 19	60 36		434 .1		1 1.8 0 1.0		01 .16 01 .12		_		1550 510
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BJ 10	<1	3	312	146	.3	5	1	84		86		<2	<2 '		2.2	7	<3	-	29.75		2			17<.1				01 .02			<1	3
DICK 1 STANDARD C3/AU-R STANDARD G-1		114 66	54 33 <3	218 166 50	5.8	37	10 12 5	734		43 54 ~2		<2 4 <2	18	43 30 69	3.1 23.5 <.2	3 17 <3	<3 : 24 <3	83	.59	.976 .084 .076		53 169 90	.57	90 . 149 . 269 .	10 Z		35 .0	04 .14	6 21	} <5   <5 2 <5	<1 1	1 544 <1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM) - SAMPLE TYPE: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED:

Data

Assay in progress for Pb, 3n, As 2 1%. Au > 300 ppb

ACME A VIICAL LABORATORIES LTD.	852 E. HASTINGS	ST. NCOL	VER BC V6	5A 1R6	PHONE (604) 253-31	.58 FAX (/	}253-1716
ΑΛ		CERTIF.					AA
	<u>Sultan Minera</u> P.O. Box 10435,	<u>als</u> File 1610 - 77, Va	≥ # 97-59 ncouver BC V7Y	928R ( 1K5			
	SAMPLE#		n AS Au 8 8 gn	1** n/t′			
	вл б 📗	5.93 1.32 7.00 1.2 7.06 1.2	$\begin{array}{c} 3.13 \\ 2.40 \\ 1.24 \\ 1.55 \\ 2.1.55 \\ 1.55 \end{array}$	- . 88 . 63 . 63			
- SAMPLE	beginning 'RE' are Reruns	BY FIRE ASSAY and 'RRE' are	'FROM 1 A.T. S	SAMPLE.,	( ICP.		
DATE RECEIVED: OCT 27 1997 DATE REP	ORT MAILED:	29/97 s:	IGNED BY.	<u>.</u>	TOYE, C.LEONG, J.WANG	; CERTIFIED B.	C. ASSAYERS
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			-611161 8	*	46		1.1
All results are considered the confidential prop	BERTY OF THE CLIENT. ACHE A	ISSUMES THE LY	ADILITIES TOP	OCTUBL COST OF	the analysis only.		Data A FA

PHONE (604) 253-3158 FAX ( 253-1716 852 B. HASTINGS ST. INCOUVER BC V6A 1R6 LYTICAL LABORATORIES LTD. ACME GEOCHEMICAL ANALYSIS CERTIFICATE Sultan Minerals File # 97-5929 P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Ed Lawrence Fe As U Au Th Sr P La Cr Mg Ba Ti B AlNa K W TL Hg Cd Sb Bi V Ca SAMPLE# Pb Ag Ni Co Mn Mo Cu Zn % opm ppm ppm ppm ppm 7 % ppm ppm % ppm 7 7 maa maa maa X pom pom ppm ppm pom pom pom pom % ppm ppm ppm ppm ppm 2 2326 6666 71979 126.1 10 26 401 10.58 5271 <8 <2 <2 2 608.3 265 <3 9 .05 .012 <1 5 .11 1<.01 <3 .31<.01 .08 <2 <5 <1 M 1 2 8 .03 21<.01 <3 .31<.01 .17 7 <5 <1 8 13 329 4.93 1966 <8 <2 <2 8 335.6 30 14 7 .07 .028 12 1177 17012 35546 50.5 MARILYN 2 29 167 19387 815 67.0 10 13 58 6.25 5317 <8 <2 <2 9 4.0 10 3 35 .05 .048 2 12 .04 21<.01 <3 1.27 .01 .26 2 <5 <1 М 3 2 10 .03 19<.01 <3 1.10 .01 .23 <2 <5 <1 750 60.8 9 11 51 5.64 4864 <8 <2 <2 6 3.4 10 <3 31 .03 .044 RE M 3 26 150 17425 ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns. - SAMPLE TYPE: ROCK OCT 7 1997 DATE REPORT MAILED: Out 24/97 SIGNED BY 7.D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS DATE RECEIVED:

ACME LYTICAL LABORATORIES LTD. 852 E. HASTINGS ASSA <u>Sultan Miner</u> P.O. Box 10435, 1610 - 77, Var	AY CERTIFICATE		PHONE (604) 253-3158 FAX (	
SAMPLE#	Cu Pb	Zn Ag % gm/t		
M 1 MARILYN 2 M 3 RE M 3	114 4.92 3. 016 2.47	75 379.3 46 51.5 09 70.1 09 69.1		
1 GM SAMPLE DIGESTED IN 50 ML AG - SAMPLE TYPE: ROCK <u>Samples beginning 'RE' are Repu</u> DATE RECEIVED: OCT 7 1997 DATE REPORT MAILED: O.J.	uns and 'RRE' are Rejec	t Reruns.		B.C. ASSAYERS

Data A FA

LYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. ACME NCOUVER BC V6A 1R6 PHONE (604) 253-3158 FAX ( )253 - 1716GEOCHEMICAL ANALYSIS CERTIFICATE Sultan Minerals PROJECT LOWER JERSEY File # 97-5945 P.O. Box 10435 1610 77, Vancouver BC V7Y 1K5 Submitted by: Ed Lawrence SAMPLE# Mo Cu Fe As U Au Th Sr Cd Sb Bi Pb Zn Ag Ni Co Mn ٧ Са P La Cr Mg Ba Ti B Al Na K W TI Hg ppm ppm ppm ppm ppm ppm ppm % pom pom pom pom pom pom pom pom % ppm ppm % ppm % ppm * * * ppm ppm ppm ppm % в 1 <1 8 16573 99999 18.6 -4 6 172 .77 31 <8 <2 <2 133 1191.1 36 <3 3 10.06 .008 1 <1 3.57 28<.01 <3 .13<.01 .10 <2 <5 - 8 8 2 1 13 14467 99999 29.0 13 7 146 4.95 36 11 <2 <2 42 1121.0 72 3 4 3.14 .007 <1 <1 2.04 1<.01 5 .04<.01 .03 2 <5 - 7 4 5 162 .98 35 <8 <2 <2 216 1180.0 19 <3 2 10.37 .007 83 <1 13 17145 99999 6.5 2 <1 3.41 41<.01 <3 .06<.01 .05 <2 <5 6 3 5 148 .89 36 <8 <2 <2 194 1153.4 18 <3 2 9.21 .007 RE 8 3 <1 12 15749 99999 6.0 2 <1 3.13 38<.01 <3 .06<.01 .05 <2 <5 6 ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns. / - SAMPLE TYPE: ROCK DATE REPORT MAILED: DATE RECEIVED: OCT 8 1997 Assay Pb ? In in progress + Assay Col recommended.

Data 1

ACME AY YTICAL LABORATORIES LTD. 852 B. HASTINGS ST	COUVER BC V6A 1R6	PHONE (604) 253-3158 FAX (6	253-1716
AA	CERTIFICATE		AA
<u>Sultan Minerals PROJECT I</u> P.O. Box 10435, 16	<u>OWER JERSEY</u> File # 97 10 - 77, Vancouver BC V7Y 1K5	-5945R	
SAMPLE#	PB Zn CD		
B 1 B 2 B 3	5.30 23.42 .194 22.50 20.66 .171 2.77 24.05 .198		
.250 GM SAMPLE DIGESTED IN 30 ML AQU - SAMPLE TYPE: ROCK PULP DATE RECEIVED: OCT 17 1997 DATE REPORT MAILED: $OL$ 27	JA - REGIA, DILUTE TO 100 ML, ANALYSIS 7/97 SIGNED BY	BY ICP. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C	. ASSAYERS
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			1
All results are considered the confidential property of the client. Acme ass	sumes the liabilities for actual cost	of the analysis only. D	ata KFA

852 E. HASTINGS ST. COUVER BC VOA 1R6 PHONE (604) 253-3158 FAX (6 253-1716 TICAL LABORATORIES LTD. ACME AN ASSAY CERTIFICATE Sultan Minerals PROJECT LOWER JERSEY File # 97-5945R2 P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 SAMPLE# Ag gm/t 14.533.1 32.5 B 1 B 2 RE B 2 1 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP. - SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns. Vor 7/97 SIGNED BY ...... p. TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS DATE REPORT MAILED: DATE RECEIVED: OCT 31 1997 All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only. Data FA

)253-1716 PHONE (604) 253-3158 FAX ( 852 E. HASTINGS ST. NCOUVER BC V6A 1R6 ACME 1 TYTICAL LABORATORIES LTD. ASSAY CERTIFICATE Sultan Minerals PROJECT LOWER JERSEY File # 97-5950R P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Zn % SAMPLE# 1.501.931.81LJ 97-9 31.8-32.3 LJ 97-9 66.55-66.85 RE LJ 97-9 66.55-66.85 1.000 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP. - SAMPLE TYPE: CORE PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns. DATE REPORT MAILED: Oct 27/97 SIGNED BY ..... D. TOYE, C. LEONG, J.WANG; CERTIFIED B.C. ASSAYERS DATE RECEIVED: OCT 17 1997

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P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5         Submitted by: Perry Grunenberg           SAMPLEM         Mo Cu Pb Zn Ag Ni Co Mn Fe As U Au Th Sr Cd Sb Bi V Ca P La Cr Mg Ba Ti B Al Na K M Ag** Au**           ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm												(99-194) (		na na shina na shina shina shi Na shina shina shina shina Manazarta shina shina shina shi								
ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	, L	****	<u>.su</u>	<u>11tar</u> P.O.	Box 10	1era. 1435, 10	L <u>9 PR</u> 510 - 77	<u>OLIE</u> 7, Vand	<u>CTR</u>	<u>JZAN</u> BC V7Y	<u>EXA</u> IK5	<u>M</u> Submin	File	# 9 : Perr	/-6 y Grur	435 Tenber	9					
R0Z-2 $ 32 $ 9       57 $32.7$ $42$ $622.78$ $3 < 68 < 2 < 215$ $2 < 345$ $4 < .01$ $.013$ $718$ $.0119 < .01 < 33$ $.08$ $.01104$ $1531106$ R0Z-3       2 $103$ $48 < .36$ $687302.50$ $<268 < 2355 < .263$ $<3551.644$ $.00776616.684$ $49.12 < 3.97$ $.07.5455 < .3 < .01$ R0Z-4       3 $5100111.14221362.613 < <882$ $829292.323764$ $202.0276616.09211.0112.33$ $.022.082591.07.90$ L2+50S 5+00E $<13 < 328 < .33$ $33911.63 < < 8822$ $42622.73 < < 3333$ $.25.05410$ $122.3733.06 < < 3.59.04$ $.1410 < .33.07$ GEOCH. E. RED RIDGE $13533 < .34$ $34151.56 < < 88 < < 4430 < .2 < .3332.33 .05010112.3733 .063.600.05.119 .93.3.06         RE GEOCH. E. RED RIDGE       133 < 329 < .34 34151.56 < < 88 < < 447 < .2 < .23 < .332.33 .050101335266.08 < 3.600.05.119 .03.600.05.119 < .3.600.05.119 .03.600.05.119 < .3.600.05.119         RE GEOCH. E. RED RIDGE       133 < .329 < .34 < 33901.477 < .288 < .24 & 447 < .2 < .3 < .329 < .31.046 < 1012 & .33 & .25.07 < .3.56.05.100 & 8 < .3.02         ICP500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.     $							Fe A % pp	s U nippan	Au Th ppm ppr	n Sr ( npprnpp	d Sb mippm	Bi ppm p	V Ca opm ?	а Р % %	La ppm p	Cr Me xpm 2	) Ba (ppm	⊺i B %ippnr	AL X	Na X		
ROZ-3       2       10       3       48       <.3					6	2 207	.70 <	2 <8	<2 :	2 19 <.	2 <3	<3 /5	10 .08	8.018	5	20.17	7 26 .	.02 <3	.28 .	.02 .0	4 11	<.3 <.0
L2+50S 5+00E       <1	ROZ-3	2 10	) 3	48 <.3	6	8 730	2.50 <	2 <8	<2 3	5 55 <.	2 <3	<3	55 1.64	4 .077	6	16 .68	3 49 .	12 <3	.97 .	.07 .5	4 5	<.3 <.0
RE GEOCH. E. RED RIDGE 1 3 <3 29 <.3 4 3 390 1.47 <2 <8 <2 4 44 <.2 <3 <3 29 .31 .046 10 12 .33 25 .07 <3 .56 .05 .10 8 <.3 .02 ICP500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Refuns and 'RRE' are Reject Refuns.			5 10 5 <3	1 1.1 28 <.3	4 3 3	2 136 3 391	2.61 1.63 <	3 <8 2 <8	8 <2	29. 430 <	2 <3 2 <3	27 <3	6 .02 33 .29	2 .027 5 .054	6 10	16 .09 12 .37	21. 733.	.01 12 .06 <3	.33 . .59 .	.02 .0 .04 .1	8 259 4 10	1.0 7.90 <.3 .0
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.		1 3	5 5 3 3	33 <.3 29 <.3	s 4 s 4	3 415 3 390	1.56 < 1.47 <	:2 <8 :2 <8	<2 <2	4 47 <. 4 44 <.	2 <3 2 <3	<3 <3	32 .33 29 .3	3 .050 1 .046	10 10	13 .35 12 .33	526. 525.	.08 <3 .07 <3	.60.	.05 .1 .05 .1	19 08	<.3 <.0 _<.3 .0
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.	- 971	500 6944	A SAMD	וד זפיי		יח עודע		-2 HCI	- 4107-	H20 AT 4			9 <b>())</b> 5 U			11 11 11 11	) TO 10	1 MR 1.1	TH UNT			
- SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.	THIS LEA	ACH IS F	PARTIA	L FOR M	AN FE S	GR CA P	LA CR M	IG BA 1	пви.	AND LIM	TED F	OR NA	K AND	AL.		ALUICI	2 10 16	≠ ci∟ Wi	TH WAT	I L IŠ 4		
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.												PPM \$	& AU > `	1000 PI	PB							
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DATE RECEIVED: NOV 5 1997 DATE REPORT MAILED: NOV 6/47 SIGNED BY	-							1	,				$\mathcal{O}$	1								
	DATE RECEIVED: NOV	5 1997	DAT	E REI	PORT	MAILE	D: N	.ov i	6/97	S	IGNEI	D BY	$\cdots$	<u> </u>	-7.0.	TOYE,	C.LEON	IG, J.W	ANG; C	ERTIF	IED B.	C. ASSAYE
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									GE	OCH	EMI	Cal	AN	Alys	en en en en en en en en en en en en en e		ang sa sa sa sa sa sa	0.0000000000000000000000000000000000000	i na harrin						nd single single Most not single Official single single Most single single Not single single					Ì.
Sultan Minerals File # 97-6550 P.O. Box 10435, 1610 • 77, Vancouver BC V7Y 1K5 Submitted by: Jack Denny																														
SAMPLE#	Mo	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe X	As ppm	U ppm	Au ppm	Th ppm	Sr ppm p	Cd Si pm pp			V C	a %	PL Xpp		Mg 1 X	8a ppm	Ti %	B ppm	Al %	Na %	K X	W ppm	Au* ppb
151+50N 33+00E	4	165	20	1433	2.4	135	15	318	2.53	13	<8	<2	6	30 11	.2	5 <	3 19	6.2	9.17	78 1	4 28	1.30	265	.13		.78	.02	.10	<2	1
L51+50N 33+25E	4	89		1095	1.2	116	13		2.70	18	<8	<2	6	36 12	.8	5 <	3 16	9.3	2.33	56 1	4 26	.96	-	.13		.39	.02	.11	<2	<1
L51+50N 33+50E	2	38	17	554	5.0	47	7	193	1.95	9	<8	<2	4	63 10	.3	5 <	3 12		1.58		7 20		733	-13		.16	.05	.09	<2	2
L51+50N 33+75E	4	178	25	1626	5.1	145	19	239	3.43	11	<8	<2	5	55 S		1 <	3 40	-	2.40			3 1.93		. 14		-59	.02	.11	<2	3
L51+50N 34+00E	2	47	14	1140	1.0	69	9	335	2.44	11	<8	<2	5	62 12	.6	4 <	3 14	1.6	3.70	3 1	2 24	.48	1220	.11	33	5.23	.03	.13	<2	<1
L50+50N 33+00E	3	64	22	1168	.6	94	12	279	2.50	14	<8	<2	6	28 14	.2	5 <	3 15	8.4	0.3	59 1	0 28	3.74	355	. 15	34	.29	.03	.11	<2	2
150+50N 33+25E	3	80		1490		118	17		2.88	12	<8	<2	5	40 13	.5	5 •	3 27	2.6	6.49	96 1	1 44	1.24	564	- 11		5.59	_01	. 15	<2	1
L50+50N 33+50E	2	52		1699	.4	137	18	976	2.75	5	<8	<2	5	36 31	.4	4 -	3 1	2.4	7 .4	12 1		01.08		.13		5.02	.02	.15	<2	2
RE 150+50N 33+50E	3	53	25	1684	.5	139	18	882	2.75	6	<8	<2	4	35 28	-1	4 •	3 15		6.4			0 1.09		.13		5.05	.02	.15	<2	1
L50+50N 33+75E	3	61	27	1509	1.6	112	15	357	2.68	8	<8	<2	6	27 25	.3	5 •	3 2	.4	4.3	34 1	3 3	5 1.00	280	.12	3 3	3.80	.02	. 13	<2	1
L50+50N 34+00E	5	84	17	2257	2.0	153	16	385	2.64	6	<8	<2	5	29 20	.6 <	3 -	3 2	7.6	53 .1	80 1	3 4	0 1.22	191	.11		3.45	.02	. 13	<2	1
STANDARD C3/AU-S	25	64				37	12	750	3.43	56	20	<2	20	28 23	i.2 1	8 2	20 8		54 .0		0 17			. 10		1.94	.04	.16	18	47
STANDARD G-1	3	3	3	49	<.3	10	5	586	2.24	<2	<8	<2	4	- 81 ·	: <u>.2</u> <	3 -	3 (	3.6	57.0	75	9 113	3.64	254	. 16	3	1.10	.08	.50	<2	1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. - SAMPLE TYPE: SOIL AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM) DATE RECEIVED: NOV 5 1997 DATE REPORT MAILED: NOV 12/97 SIGNED BY. C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

